QC
984*
03U52

221290

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Chief of Division.

SECTION 70—SOUTHWESTERN OHIO.

The territory embraced in this Section includes the Great Miami watershed, the Little Miami basin, the watersheds of several small streams flowing into the Ohio River between the Little Miami and Scioto rivers, and those of the St. Mary's River and the extreme headwaters of the Wabash River. The total area is not far from 8,000 square miles.

The Great Miami River rises in the Lewistown Reservoir in Logan County and is 163 miles in length. In this watershed there are greater extremes in elevation than in any other portion of the State, but the slopes are more uniform and the surface is more rolling than in the Muskingum valley. All of the streams flow at rapid rates. Between the reservoir and DeGraff, a distance of 26 miles, the rate of fall is 3.5 feet per mile; between DeGraff and Piqua, 27 miles, 4.4 feet; between Piqua and Dayton, 33 miles, 3.3 feet; between Dayton and Hamilton, 44 miles, 3.6 feet per mile. In 1880 a total of 9,431 horsepower was developed in 290 mills, manufacturies, etc., on the Miami and its tributaries.

The northwestern part of this watershed consists of comparatively level elevated areas, marked with rolling glacial moraines. As the entire area of this Section has been glaciated the surface presents the smoothed-over appearance that characterizes such districts, and no abrupt changes are to be found except where the streams have cut out their valleys in the soft drift. The surface is covered with wide areas of heavy limestone soil, although some of the valleys contain extensive alluvial deposits. The whole district is essentially an agricultural one. The Lewistown Reservoir is 968 feet above sea level and contains 6,134 acres, and the area of its watershed exclusive of the reservoir is 101 square miles.

The Little Miami River is southeast of the Great Miami and is about 100 miles in length. The headwater portion occupies shallow valleys, but the lower portion of the main stream flows through a valley 200 to 300 feet or more in depth. The stream as a rule falls at the rate of 3 to 6 feet per mile and is considered to be one of the best power rivers in the State. In 1880 this stream had 59 mills and manufacturing establishments using 1,947 horse power.

The Grand Reservoir, the headwaters of the Wabash River, is mainly in eastern Mercer County, Ohio, at an elevation of 875 feet above sea level. It is 3 miles in width and 10 miles in length. Its area is 13,440 acres and its watershed comprises only 93 square miles, exclusive of its own area.

TEMPERATURE.

The average annual temperature of Section No. 70 varies from 50° at Bellefontaine in the northern part to 55° at Cincinnati on the Ohio River. The highest mean monthly temperature is in July and highest temperature for the year is usually recorded in that month. At Green in southeastern Adams County, however, the highest temperature ever recorded is 100° in September, and at Hillsboro, Highland County, the highest recorded is 105° in both July and September. A temperature above 99° has never been recorded at Urbana in a record covering 61 years, while at Jacksonburg and Camp Dennison temperatures of 109° have been reached. The temperature has been above 100° at some station in the Section in June, July, August, and September, and reached 90° at Green in March.

At the stations having records of over 25 years the average monthly temperature is lowest in January, but at those points having records of less than about 25 years February shows the lowest average temperature. The lowest temperature usually occurs in February, but at some of the points the lowest record has been in January, The temperature has been below zero at all stations in December, January, and February, at most points in March, and at a few in November. The temperature has fallen below freezing every month, except during June, July, and August. The temperature was only 33° at Urbana in June, 1859, 34° in August, 1856, and 35° in August, 1863. The lowest ever recorded varies from —17° at Cincinnati to —34° at Sidney.

PRECIPITATION.

The annual precipitation averages slightly above 40 inches along the Ohio River and generally below 38 inches in the northern part of this Section. The average for all the stations under consideration is 38 inches. The greatest annual rainfall at Cincinnati in a record from 1835 to 1908, inclusive, is 65.18 inches in 1847, and the least is 17.99 inches in 1901.

June is usually the wettest month, although at part of the stations the average monthly rainfall has been greatest in July, and at others in May. October is the driest month. There have been a few months when the rainfall has been over 10 inches at some of the stations. The greatest montly fall on record in this part of the State is 17.33 inches in June, 1877, at Carthagenia. The record at this station shows a rainfall of 12.90 inches in June and 12.16 inches in July, 1875. This station is about 8 miles south of Celina.

The annual snowfall varies from about 25 inches in the northern portion to less than 20 inches in the southern portion of this Section.

FROST.

The average date of the first killing frost in the fall in this part of the State is October 9, and the average date of the last killing frost in the spring, April 28. The time covered by the frost records, however, is less than 20 years, except at Cincinnati, where it is 37 years. The average length of the growing season is 164 days. The earliest date at which a killing frost occurred in the fall is September 14th at 7 stations and the latest date in the spring May 31st at 2 stations.

MISCELLANEOUS.

The average number of rainy days in the year is 112. The prevailing wind direction is southwest, and the average hourly wind movement 8 miles. The average annual relative humidity is 71%.

J. WARREN SMITH, SECTION DIRECTOR.

221290

QC 984 *
O3 U52

Precipitation in Southwestern Ohio. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

Bellefontaine, Logan County

Elevation, 1,276 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1856	0.88	2.72	0.49	.....	1.62	6.64	1.71	2.21	.....	.....	.....	.....	.....
1857	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1858	2.50	3.00	0.90	10.40	8.30	6.30	3.70	2.70	1.42	6.34	3.51	5.12	54.19
1859	1.90	2.61	2.94	5.54	1.76	5.02	0.73	2.25	2.99	1.04	5.46	3.09	35.33
1860	.....	.....	.....	.....	.....	.....	.....	.....	3.08	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1870	.....	.....	.....	.....	.....	.....	.....	3.40	1.50	3.86	2.25	2.72	.....
1871	1.17	2.51	3.57	2.76	2.86	3.03	2.73	9.80	0.30	1.15	4.01	2.45	36.34
1872	1.53	1.39	1.02	3.24	2.78	2.05	8.01	4.67	1.42	2.83	0.94	3.28	33.16
1873	3.35	2.03	2.56	4.49	4.50	4.30	7.07	2.94	1.80	3.39	2.39	4.86	43.68
1874	3.69	4.05	2.82	3.38	1.22	2.71	1.54	5.29	1.90	0.29	3.15	1.97	32.01
1875	1.27	1.71	3.42	1.59	3.81	7.50	7.06	2.90	2.66	2.67	3.93	3.40	41.92
1876	5.24	3.65	5.36	2.41	3.71	3.30	7.09	2.06	7.45	3.25	2.60	1.25	47.37
1877	1.57	1.30	7.56	2.13	2.45	10.91	3.21	1.86	1.09	1.56	3.66	1.85	39.15
1878	3.98	2.54	4.04	3.42	2.09	4.09	9.78	4.18	4.24	3.15	2.58	3.61	47.70
1879	2.34	3.02	5.19	0.88	2.01	4.24	6.99	5.90	5.40	0.80	4.45	4.12	45.34
1880	5.33	3.83	3.45	6.21	4.60	3.50	4.08	8.43	2.16	1.95	3.74	2.19	49.47
1881	1.95	4.29	6.82	2.53	2.73	3.82	3.65	1.77	1.37	5.46	4.44	2.97	41.80
1882	2.80	4.78	4.23	3.45	7.87	3.45	2.90	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894	0.94	3.98	3.03	2.06	4.92	2.53	0.80	3.18	4.29	3.88	3.19	2.26	35.06
1895	3.72	0.62	1.38	3.32	0.95	2.67	0.95	3.42	0.44	2.17	5.85	3.57	29.06
1896	1.77	1.17	3.92	2.57	2.87	4.38	6.32	1.69	7.33	0.60	0.93	1.54	35.09
1897	1.86	2.61	5.04	1.92	5.77	2.08	6.29	1.35	0.57	1.25	6.43	0.90	36.07
1898	3.26	**2.55**	**7.80**	2.96	4.08	2.53	3.71	4.19	3.03	4.11	2.75	**2.65**	43.62
1899	**3.49**	1.10	3.06	0.87	2.47	1.09	5.46	1.15	1.23	1.87	1.72	2.23	25.74
1900	1.60	2.55	2.12	2.78	**1.55**	5.65	3.76	3.43	2.64	2.78	2.75	**1.11**	32.72
1901	0.86	**1.09**	**3.17**	1.96	2.99	1.86	1.33	1.90	1.93	1.33	1.65	3.35	23.42
1902	1.00	0.70	2.74	2.09	2.04	7.41	3.70	2.51	6.26	1.85	2.59	**3.44**	36.33
1903	2.16	4.25	2.38	3.30	2.69	5.41	2.70	1.91	0.94	2.00	2.82	**1.80**	32.36
1904	3.83	2.88	8.14	4.55	2.86	4.11	3.78	2.04	1.93	0.99	0.19	3.67	38.97
1905	1.88	1.19	1.78	4.46	5.27	6.05	2.21	7.22	5.70	5.13	1.47	2.00	44.36
1906	2.08	0.86	3.95	1.35	3.23	2.37	5.50	2.27	1.59	2.49	2.91	3.97	32.57
1907	6.77	1.15	4.44	2.97	4.13	4.65	9.47	2.16	2.91	1.92	2.05	4.10	46.72
1908	2.02	4.55	6.37	3.41	4.95	1.54	3.77	2.40	0.50	0.59	0.68	2.11	32.89
Mns	2.56	2.49	3.79	3.21	3.44	4.17	4.33	3.37	2.67	2.44	2.93	2.81	38.21

Bethany, Butler County

1892	.....	.....	.....	.....	.....	.....	.....	.....	2.38	0.16	2.73	1.37	.....
1893	2.89	5.55	2.02	8.02	6.64	3.51	1.14	1.64	3.04	3.18	1.98	2.67	42.28
1894	2.57	4.13	1.94	2.08	3.85	3.20	0.05	1.66	2.31	0.90	1.32	3.77	27.78
1895	5.70	0.55	1.30	2.28	1.74	2.03	1.19	2.34	0.31	0.69	4.74	2.62	25.49
1896	2.04	1.76	4.13	0.91	2.18	4.12	6.79	5.49	5.89	1.11	3.63	1.21	39.26
1897	2.72	5.16	7.76	3.78	3.30	2.33	6.85	2.70	0.39	0.87	8.53	2.92	47.31
1898	5.84	1.71	7.69	1.56	3.25	2.44	1.86	5.37	3.81	3.18	3.46	2.57	42.74
1899	3.54	1.81	5.76	0.82	5.16	2.75	4.32	4.24	1.94	2.26	1.45	2.69	36.74
1900	3.41	2.77	2.26	1.33	4.48	4.94	4.24	4.02	0.81	1.97	4.47	1.12	35.82
1901	1.24	1.58	2.29	2.11	3.99	2.16	1.35	1.77	2.30	0.93	1.06	3.40	24.18
1902	1.53	1.14	2.12	2.08	4.64	7.02	1.15	0.95	3.55	2.66	3.36	3.92	34.12
1903	2.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mns	3.13	2.62	3.73	2.50	3.92	3.45	2.89	3.02	2.43	1.63	3.34	2.57	35.23

Bethel, Clermont County

Elevation, 930 feet

1860	3.42	2.67	3.00	6.70	3.52	2.75	8.60	1.75	4.77	1.20	2.37	4.61	45.36
1861	3.35	2.32	4.00	4.75	5.75	3.62	.....	.....	.....	.....	.....	4.42	.....
1862	.....	3.88	5.62	.....	1.69	2.23	5.67	2.32	3.35	3.19	2.64	3.39	.....
1863	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1864	2.88	1.41	1.88	2.75	3.00	7.69	1.36	4.17	7.66	4.87	3.56	6.30	47.53
1865	1.70	2.57	4.00	4.67	8.62	2.27	6.37	3.37	6.75	1.50	0.75	4.75	47.32
1866	3.25	1.21	7.76	2.60	0.63	3.37	3.35	5.87	9.05	2.37	4.39	3.37	47.22
1867	2.75	3.38	2.00	1.75	2.75	3.00	2.35	2.25	0.37	2.25	2.50	4.62	29.97
1868	4.23	0.70	5.75	5.05	4.63	3.50	4.38	6.12	6.50	1.13	1.07	2.92	45.98
1869	2.25	3.12	3.55	3.55	4.00	3.50	1.37	0.50	3.75	2.00	4.62	2.92	35.13
1870	7.25	4.60	4.13	2.37	2.25	3.12	3.25	3.63	1.50	1.38	1.50	2.03	37.01
1871	2.25	3.13	2.88	2.12	5.67	1.75	5.25	3.92	0.63	1.12	3.37	4.00	36.09
1872	1.05	2.37	2.10	6.41	3.33	3.98	8.25	4.09	1.88	3.25	1.00	2.65	40.36
1873	2.65	4.00	2.23	3.37	4.87	2.00	4.75	6.13	2.38	5.00	3.25	6.13	46.76
1874	5.00	4.52	3.25	3.62	0.37	2.26	7.75	1.40	1.50	0.63	5.00	3.87	39.17
1875	2.75	2.10	4.75	1.00	3.88	7.00	10.00	2.25	1.12	3.75	5.12	4.50	48.22
1876	7.80	2.75	3.90	3.25	1.25	4.75	5.62	7.38	5.00	4.50	2.38	1.35	49.93
1877	3.10	0.80	6.00	2.75	1.87	5.38	3.50	3.00	1.12	2.00	3.50	3.12	36.14
1878	3.20	1.75	4.75	2.50	2.37	4.00	6.00	4.37	4.37	2.25	3.72	4.50	43.78
1879	3.20	3.60	4.50	2.25	5.25	4.50	2.37	11.62	4.00	0.75	2.75	6.00	50.79
1880	5.00	4.50	3.75	6.75	4.12	9.25	2.12	4.38	1.50	2.38	4.00	4.00	51.75
1881	3.75	3.60	4.38	3.75	0.67	6.00	1.75	2.25	2.25	4.00	3.50	5.38	41.28
1882	5.60	7.25	5.00	2.50	9.00	4.38	4.12	6.37	2.50	1.12	1.38	2.12	51.34
1883	2.60	8.40	3.25	3.75	3.75	4.50	.....	.....	.....	.....	.....	.....	.....
Mns	3.59	3.24	4.02	3.56	3.62	4.12	4.70	4.15	3.43	2.41	2.97	3.95	43.76

Camp Dennison, Hamilton County

Elevation, 570 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	.....	.....	.....	.....	.....	.....	.....	2.17	2.55	0.32	1.96	1.10	.....
1893	3.21	4.09	1.95	8.01	6.03	3.81	3.17	1.07	2.25	2.75	**2.03**	**2.73**	41.10
1894	**2.73**	**3.86**	**2.34**	2.38	3.86	4.23	0.09	2.61	2.11	1.07	1.59	3.47	30.34
1895	6.01	0.36	1.51	2.43	1.75	2.20	1.71	1.94	0.51	0.77	5.10	3.06	27.35
1896	1.64	1.48	3.47	0.64	2.91	4.28	7.24	4.12	3.35	2.00	3.83	1.28	36.24
1897	2.51	4.78	9.91	3.64	2.86	2.27	5.70	1.78	0.35	0.56	6.32	2.39	43.07
1898	7.95	1.94	7.01	1.42	3.26	2.09	1.68	4.59	2.91	3.23	2.93	2.94	41.95
1899	3.71	2.18	5.54	1.25	4.56	3.74	3.47	2.36	2.24	1.84	2.34	3.84	37.07
1900	2.53	2.70	2.13	1.37	6.39	1.49	4.43	4.18	0.68	1.72	5.39	1.21	34.22
1901	1.19	1.39	2.08	2.27	3.05	2.77	1.32	2.08	0.90	0.84	0.80	3.74	22.43
1902	2.41	0.43	1.76	2.11	4.25	6.17	2.77	1.01	3.88	3.16	3.34	5.27	36.56
1903	2.50	6.38	5.63	3.13	5.77	3.40	2.79	3.28	1.56	1.70	1.80	1.81	39.75
1904	2.44	2.55	7.46	2.48	5.49	2.79	1.86	0.69	1.19	0.86	0.53	3.51	31.85
1905	1.67	2.03	2.98	3.19	9.50	2.37	2.80	5.78	2.19	4.64	2.92	3.18	43.25
1906	3.61	1.52	5.98	1.44	2.46	3.47	7.10	6.37	4.58	1.47	3.23	4.04	45.27
1907	8.80	0.60	9.17	3.78	2.17	4.47	7.11	3.18	1.16	3.23	2.09	2.33	48.09
1908	1.38	5.33	3.90	4.39	5.60	1.28	4.36	0.46	0.74	0.44	1.08	1.75	30.71
Mns	3.39	2.60	4.55	2.75	4.37	3.18	3.60	2.80	1.95	1.80	2.78	2.80	36.57

Cedarville, Green County

Elevation, 1,035 feet

1884	.....	.....	.....	3.34	2.69	4.05	.....	0.62	3.17	1.01	.....	.....	.....
1885	.....	.....	0.58	3.92	4.26	3.05	3.16	6.47	2.76	2.62	2.36	1.59	.....
1886	3.67	2.36	1.94	3.98	6.27	4.54	2.81	4.67	5.09	1.46	3.11	2.71	42.61
1887	2.40	5.88	2.45	4.83	3.30	1.71	1.00	2.42	1.48	0.45	3.45	3.31	32.68
1888	2.85	1.26	4.07	1.87	4.05	1.74	4.91	4.07	0.50	5.47	5.14	1.33	37.26
1889	3.83	0.70	0.91	1.17	4.83	5.06	2.07	0.57	2.27	1.29	4.55	2.83	30.08
1890	6.17	6.04	5.35	2.82	4.52	3.26	**0.28**	**5.30**	4.55	2.32	2.85	**1.20**	44.66
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1893	1.76	6.58	2.63	**7.30**	**5.82**	**4.10**	**2.37**	1.44	1.62	4.19	2.35	**2.49**	42.65
1894	**2.31**	**3.93**	2.30	1.58	3.72	1.94	2.49	1.80	2.80	0.95	2.16	3.72	29.70
1895	5.20	0.84	1.55	2.33	1.65	3.89	1.74	0.70	0.41	0.86	5.44	4.08	28.69
1896	2.46	2.14	3.38	1.88	4.65	3.92	9.07	3.79	6.64	1.39	3.07	2.34	44.73
1897	2.42	4.61	7.64	4.30	4.01	3.28	4.43	2.26	0.24	0.77	8.90	2.82	45.68
1898	9.45	2.96	11.09	2.01	6.25	2.29	4.51	4.08	2.82	2.98	2.38	2.55	53.37
1899	3.30	1.85	3.89	1.43	2.49	2.28	6.51	0.78	1.22	1.99	1.41	3.31	30.46
1900	3.55	3.44	2.54	2.17	3.03	2.44	3.67	4.05	0.82	2.01	4.93	1.15	33.80
1901	1.70	1.70	2.59	1.38	3.31	2.14	1.66	2.72	2.73	0.48	0.68	3.41	24.50
1902	1.33	1.05	2.17	1.87	1.61	6.79	2.21	0.98	4.58	2.29	3.05	3.86	31.79
1903	2.68	4.78	4.10	3.46	3.57	3.23	1.62	0.69	0.97	2.33	**2.17**	**2.01**	31.61
1904	3.40	2.00	7.35	3.24	3.43	2.15	2.27	1.88	1.83	1.02	0.17	3.22	31.96
1905	1.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mns	3.32	3.07	3.70	2.89	3.87	3.26	3.15	2.59	2.45	1.89	3.23	2.66	36.08

Note.—From 1885 to 1890, inclusive, the values given are for Yellow Springs, about six miles northwest of Cedarville, and from 1904 to 1905, inclusive, are for Clifton, about four miles north of Cedarville.

Cheviot, Hamilton County

1856	.....	2.79	0.76	1.24	3.06	2.07	3.94	1.69	3.22	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1859	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.99	4.52	.....
1860	2.99	3.02	0.71	5.51	1.69	1.42	7.20	1.42	5.81	1.71	3.75	2.79	38.02
1861	2.22	2.60	3.12	2.97	6.08	3.45	5.61	3.77	4.22	4.52	2.73	0.90	42.19
1862	7.05	2.43	6.47	.....	4.79	1.91	4.14	1.04	0.89	1.29	5.42	5.11	.....
1863	.....	3.03	3.27	.....	2.47	1.25	2.82	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1868	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.28	....
1869	1.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1874	5.18	4.77	2.49	4.73	1.50	4.73	.....	1.25	2.28	1.45	6.29	3.02	.....
1875	1.80	1.58	3.08	1.93	4.74	6.47	11.45	3.61	0.86	3.80	5.26	3.63	48.21
1876	9.09	3.46	3.99	3.64	0.96	6.69	9.86	.....	3.96	4.40	2.38	0.49	.....
1877	2.11	0.58	5.26	2.22	1.63	7.07	5.31	2.22	1.89	1.91	3.40	3.33	36.93
1878	4.14	2.35	4.48	3.52	2.30	5.85	6.80	4.97	3.12	2.37	3.10	3.16	46.16
1879	2.47	1.90	4.99	1.85	5.00	5.75	2.96	12.10	3.84	0.40	3.74	6.64	51.64
1880	5.38	4.70	3.13	6.16	6.94	13.47	3.85	6.37	1.42	3.13	4.67	4.40	63.62
1881	3.38	3.89	3.18	3.14	2.00	.....	.....	.....	.....	.....	.....	.....	.....
Mns	3.97	2.85	3.46	3.36	3.32	5.01	5.81	3.84	2.86	2.50	4.16	3.27	44.41

Note—From 1859 to 1869, inclusive, the values given are for North Bend, about eight miles west of Cheviot.

Georgetown, Brown County

Elevation, 940 feet

1886	3.66	1.50	2.88	3.01	4.75	5.91	4.76	2.97	2.31	0.80	5.89	2.92	41.36
1887	2.50	9.96	1.63	8.28	3.39	3.96	1.60	2.66	3.11	1.01	3.41	2.84	44.35
1888	4.28	2.26	4.91	2.75	2.45	4.83	4.98	8.49	1.62	4.70	5.46	1.38	48.11
1889	3.53	2.22	0.98	1.28	2.33	4.89	4.58	1.51	7.12	3.34	5.91	1.68	39.37
1890	6.52	7.08	7.25	2.94	3.39	6.38	2.18	8.39	2.17	4.60	3.14	2.86	56.90
1891	4.76	3.67	6.25	1.70	1.47	6.31	5.44	5.62	2.19	2.02	5.64	3.08	48.15
1892	2.81	4.04	2.76	4.67	5.90	3.53	4.78	1.90	2.02	0.96	2.79	2.51	38.67
1893	3.64	5.15	2.79	9.49	6.25	5.10	2.42	1.23	**2.20**	**3.13**	**2.44**	**1.28**	45.12
1894	2.96	3.52	2.86	2.50	**2.28**	3.43	0.41	1.63	3.18	1.86	2.76	3.32	30.71
1895	**4.95**	0.35	1.40	3.79	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mns	3.96	3.98	3.37	4.04	3.58	4.93	3.46	3.82	2.88	2.49	4.16	2.43	43.10

Cincinnati, Hamilton County
Elevation, 628 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1835	3.82	1.75	1.86	3.37	7.57	7.34	2.46	6.54	3.23	4.35	6.66	3.20	52.15
1836	2.97	4.34	4.18	4.54	9.01	2.14	7.42	5.54	4.77	3.71	4.41	4.36	57.39
1837	0.80	3.43	3.70	2.00	3.79	4.38	3.83	5.91	3.14	4.16	2.52	5.05	42.71
1838	1.90	1.04	0.56	4.77	8.57	7.55	2.47	3.76	0.71	3.55	3.12	0.85	39.45
1839	4.56	2.75	2.69	2.38	4.46	1.96	2.97	0.56	3.24	0.13	3.20	1.72	30.62
1840	1.13	4.68	3.65	4.78	6.08	6.84	4.45	3.73	1.56	4.74	2.50	3.20	47.34
1841	5.55	0.82	2.34	4.75	2.16	1.51	5.33	2.71	2.94	2.46	4.92	5.56	41.05
1842	2.75	6.09	3.02	2.97	3.04	5.67	2.35	4.22	2.95	1.90	3.76	2.57	41.29
1843	3.51	3.54	2.97	6.27	3.63	4.52	2.90	5.89	6.73	4.05	4.40	2.84	51.25
1844	3.10	1.04	4.50	3.13	7.00	6.16	4.13	4.12	1.26	4.32	3.18	1.10	43.04
1845	3.03	1.66	5.46	1.08	1.89	11.50	3.06	6.88	7.51	2.03	1.68	0.60	46.38
1846	3.59	3.23	2.26	3.51	5.17	7.53	3.93	6.10	2.50	2.19	4.26	9.25	53.52
1847	4.71	4.06	5.37	2.12	4.30	7.63	8.25	3.20	3.87	9.57	3.95	8.15	65.18
1848	4.58	2.81	6.72	0.55	5.13	1.86	6.95	3.90	1.53	3.62	2.60	10.33	50.58
1849	6.48	2.04	4.70	3.65	3.61	4.90	8.90	4.41	2.68	3.86	2.42	5.32	52.97
1850	5.20	6.28	6.62	4.27	1.86	5.00	6.30	7.20	2.22	1.05	2.54	6.22	54.76
1851	0.45	6.45	3.36	1.70	3.90	2.28	3.25	2.55	0.43	1.82	2.30	3.21	31.70
1852	2.80	4.70	5.12	6.34	2.37	5.18	2.05	4.35	4.50	2.50	5.30	8.85	54.06
1853	1.53	5.14	2.14	7.70	2.21	1.90	4.81	2.16	4.70	3.78	3.30	1.86	41.23
1854	4.10	5.57	8.33	2.97	7.29	4.84	2.32	3.18	2.12	3.01	3.66	3.38	50.77
1855	4.47	1.59	3.66	3.05	5.24	8.10	4.35	4.25	2.98	3.18	5.22	3.31	49.40
1856	1.11	3.00	1.51	0.73	1.23	4.24	3.43	0.61	3.62	1.74	2.08	2.19	25.49
1857	0.67	2.21	0.76	2.72	5.53	3.09	2.50	2.92	0.75	4.92	5.36	3.82	35.25
1858	2.56	1.76	1.05	4.34	8.32	5.61	3.01	7.97	0.85	4.66	2.57	6.41	49.11
1859	2.94	6.17	4.64	7.58	2.27	3.14	1.95	3.34	2.24	1.33	4.99	4.52	45.11
1860	2.50	1.99	0.56	5.02	3.68	1.55	7.97	0.91	4.34	1.27	3.53	1.85	35.17
1861	2.67	1.65	2.65	3.83	6.00	3.96	4.74	6.89	2.63	3.72	3.65	0.69	43.08
1862	4.52	2.18	5.86	5.62	3.52	2.84	3.14	1.32	1.07	0.79	3.92	3.36	38.14
1863	5.55	3.85	4.28	2.27	2.30	2.43	3.28	3.07	3.12	3.77	2.14	3.71	39.77
1864	1.94	1.08	0.96	2.43	2.34	2.97	1.25	3.20	7.81	2.76	3.38	3.20	33.32
1865	2.28	2.52	4.15	3.79	8.09	2.24	7.89	2.26	5.54	0.80	0.36	4.06	43.98
1866	3.06	1.18	5.14	2.26	0.96	3.63	7.31	8.05	10.88	3.15	2.34	1.90	49.86
1867	1.34	4.44	2.32	2.96	3.80	3.69	1.99	1.20	0.56	2.05	2.43	3.37	30.15
1868	5.50	0.57	5.14	3.01	6.05	6.43	1.21	5.63	7.70	1.16	1.34	1.73	45.47
1869	2.08	2.92	5.35	2.41	4.01	4.02	4.94	1.33	2.87	2.48	3.55	3.22	39.18
1870	6.04	2.20	4.26	1.44	1.82	4.61	2.79	0.83	0.50	2.89	1.70	2.20	31.28
1871	1.16	2.27	3.00	1.62	1.02	1.69	2.78	6.05	1.23	1.80	4.18	3.27	30.07
1872	0.60	1.67	1.57	5.14	4.07	3.81	7.01	2.21	1.62	3.33	1.22	2.43	34.68
1873	2.66	3.76	2.36	2.89	3.50	3.58	3.94	4.69	2.24	2.79	2.50	6.47	41.38
1874	3.95	5.91	3.65	4.06	1.38	2.58	3.42	1.03	2.33	1.31	5.35	2.58	37.55
1875	1.59	1.83	3.69	2.12	3.92	4.83	9.63	3.17	0.65	3.05	4.35	3.75	42.58
1876	9.49	2.92	5.07	3.26	1.25	6.67	6.91	6.38	3.17	4.26	2.36	0.88	52.62
1877	2.33	0.67	5.47	2.32	1.76	5.24	4.25	2.26	1.66	1.85	3.49	3.35	34.65
1878	4.33	2.33	4.03	3.05	2.53	5.03	4.32	4.11	2.84	2.39	2.77	3.89	41.62
1879	2.20	2.22	5.30	2.14	4.23	5.22	2.75	11.72	4.01	0.65	4.05	7.11	51.60
1880	5.14	4.50	4.15	5.82	5.70	9.68	2.46	4.01	1.37	2.98	4.42	4.26	54.49
1881	3.76	4.95	3.51	3.25	2.23	7.82	3.12	0.76	2.10	6.01	4.06	5.67	47.24
1882	6.02	7.04	6.17	2.71	8.47	4.34	2.91	5.75	3.16	1.59	1.57	2.39	52.12
1883	2.82	8.22	3.48	3.72	5.49	3.61	2.21	2.10	1.83	8.39	4.87	5.61	52.35
1884	2.21	8.87	2.63	3.02	5.56	2.77	1.73	2.05	3.87	1.35	1.23	3.99	39.28
1885	5.80	2.67	0.56	3.34	2.07	3.98	1.40	4.95	2.72	2.30	2.33	1.82	33.94
1886	2.83	1.65	2.27	2.23	4.11	5.26	3.07	2.91	1.30	0.82	3.23	1.67	31.35
1887	2.37	7.29	2.07	5.86	3.62	2.64	1.31	2.81	1.93	0.55	2.83	1.80	35.08
1888	2.78	1.37	3.94	1.14	2.70	1.75	2.46	7.80	1.79	3.05	4.78	1.32	34.88
1889	2.38	1.72	0.61	1.21	2.52	4.03	4.55	0.26	4.31	2.03	5.28	2.02	30.92
1890	5.28	4.63	6.26	2.63	3.58	6.00	1.46	5.91	3.28	4.14	2.65	1.88	47.70
1891	3.31	3.87	4.86	1.55	1.08	4.83	5.13	2.83	2.65	1.16	5.03	2.14	38.44
1892	1.62	2.83	1.96	5.66	3.95	3.81	1.43	3.03	3.78	0.40	2.26	1.22	31.95
1893	2.87	4.84	1.93	7.10	6.40	4.45	3.79	0.86	3.90	3.17	2.04	2.65	44.00
1894	2.75	3.78	2.36	1.60	2.33	4.17	0.13	1.98	2.46	0.82	0.98	3.23	26.59
1895	6.13	0.37	1.51	2.62	1.82	2.15	2.27	3.29	0.49	0.73	4.66	3.29	29.33
1896	1.49	1.56	3.20	0.59	2.17	2.70	7.40	3.70	5.00	2.29	3.29	1.09	34.48
1897	2.48	5.27	9.89	3.08	2.46	1.87	6.71	1.91	0.64	0.46	6.80	2.32	43.89
1898	7.76	2.21	6.70	1.15	3.03	1.58	3.26	2.61	2.62	2.90	2.69	2.46	38.97
1899	3.32	2.04	5.94	1.21	4.33	3.27	1.58	3.65	2.18	1.64	2.60	2.93	34.69
1900	2.54	2.22	1.75	1.43	3.94	1.01	3.48	4.17	0.28	1.45	4.50	1.01	27.78
1901	0.87	1.35	2.01	1.93	1.62	2.27	1.44	0.88	0.92	0.59	0.74	3.37	17.99
1902	2.10	0.38	1.47	2.87	5.54	5.25	3.47	0.65	4.26	2.77	3.29	5.25	37.30
1903	2.05	5.76	4.97	3.49	3.83	3.27	2.31	2.75	1.78	1.31	1.45	1.72	34.69
1904	2.66	2.66	8.17	2.28	3.70	2.60	0.80	0.41	1.28	0.89	0.34	3.75	29.54
1905	1.80	1.76	2.46	3.14	9.52	2.36	1.04	4.66	1.54	4.85	2.75	2.81	38.69
1906	3.25	1.68	6.03	1.20	1.10	5.62	6.60	3.78	3.90	1.06	3.04	3.57	40.83
1907	8.40	0.76	8.43	3.68	2.49	3.87	5.59	2.93	1.20	2.86	1.97	2.38	44.56
1908	1.40	4.50	3.66	4.07	5.84	2.00	0.83	1.69	0.26	0.35	1.09	1.60	27.29
Mns	3.27	3.18	3.77	3.20	3.96	4.20	3.77	3.61	2.79	2.59	3.19	3.38	40.91

Green, Adams County
Elevation, 500 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.82	.....
1893	2.86	4.47	3.94	6.44	2.63	4.21	3.37	1.50	2.38	4.57	2.21	2.84	41.42
1894	2.27	3.28	1.97	2.67	2.42	3.24	2.43	3.27	3.91	1.46	1.35	3.65	31.92
1895	4.44	0.57	2.97	2.94	2.18	2.69	1.66	2.45	1.73	1.18	1.93	3.43	28.17
1896	0.83	2.90	5.06	0.25	2.98	3.08	6.12	5.05	3.96	1.95	2.76	1.00	35.94
1897	1.98	7.35	4.04	2.67	7.09	3.64	3.89	2.85	0.35	0.43	7.20	3.77	45.26
1898	8.40	2.65	5.15	2.93	2.53	4.83	10.65	4.35	2.40	3.00	2.40	3.47	52.76
1899	5.16	2.90	7.52	2.12	2.72	3.90	1.51	4.25	2.55	2.90	1.65	2.96	40.14
1900	2.90	4.35	2.10	1.00	3.60	1.48	3.95	1.38	1.95	1.05	6.38	2.08	32.22
1901	1.15	1.40	1.40	3.90	3.48	6.36	2.60	5.94	4.15	0.25	1.50	3.94	36.07
1902	3.95	1.00	3.15	3.10	4.60	5.55	3.55	1.00	3.83	1.85	3.70	5.60	40.88
1903	3.28	7.73	3.45	4.77	4.17	4.00	2.10	1.25	1.80	3.39	2.57	1.89	40.40
1904	2.64	2.45	8.84	3.36	3.42	2.31	2.10	3.25	1.53	0.25	0.30	2.94	33.39
1905	2.57	2.64	4.75	2.95	8.02	4.59	6.63	3.13	2.10	5.20	4.34	3.23	50.15
1906	2.45	2.43	5.45	1.08	2.10	6.86	6.03	7.23	3.63	2.72	4.00	5.19	49.17
1907	9.55	2.03	7.83	3.30	3.83	6.37	8.00	4.77	2.93	3.33	2.94	4.31	59.19
1908	1.69	5.74	7.41	6.70	4.54	3.53	5.25	3.49	0.73	1.15	2.54	2.56	45.33
Mns	3.51	3.37	4.69	3.14	3.77	4.16	4.36	3.44	2.50	2.17	2.99	3.22	41.32

Celina, Mercer County
Elevation, 910 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1870	.....	.....	.....	.....	.....	.....	.....	.....	1.80	3.70	2.74	3.81	.....
1871	2.13	3.65	4.90	4.59	3.03	3.00	3.88	4.27	0.49	4.32	6.09	3.45	43.80
1872	2.21	1.02	1.74	4.09	3.84	3.03	9.20	3.41	3.28	2.69	1.61	2.50	38.62
1873	5.46	2.45	4.18	8.23	5.48	4.36	13.91	4.03	3.62	4.65	3.07	5.41	64.85
1874	5.74	4.87	5.55	5.26	2.84	4.18	2.43	3.52	1.22	1.20	4.38	2.10	43.29
1875	0.83	1.15	3.81	2.19	6.97	12.90	12.16	7.87	3.61	3.61	3.50	4.71	63.31
1876	6.31	3.83	5.30	2.84	5.02	5.66	8.00	3.90	7.66	2.96	4.35	1.05	56.88
1877	1.83	0.21	5.35	4.00	4.09	17.33	5.93	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.32	2.35	2.01	.....
1888	3.14	0.95	3.95	2.50	4.03	4.75	1.30	2.25	0.75	4.35	4.80	1.15	33.92
1889	2.90	1.38	0.90	3.15	4.47	3.68	3.93	1.30	2.82	0.52	3.46	2.30	30.81
1890	5.26	4.76	3.56	3.98	5.07	3.60	0.40	4.25	4.89	2.37	2.62	0.91	41.67
1891	2.28	4.13	4.52	1.67	1.46	3.00	2.84	4.05	1.00	0.90	5.18	1.97	33.00
1892	1.27	2.80	1.87	4.37	7.56	4.23	7.10	2.35	1.91	0.25	2.57	1.80	38.08
1893	2.03	4.82	2.39	7.54	4.72	3.72	1.14	0.80	1.56	2.09	2.02	2.05	34.88
1894	1.51	2.17	1.95	1.58	2.93	2.20	0.31	2.61	3.97	3.33	2.53	1.68	26.77
1895	**2.24**	0.30	0.70	1.87	2.02	1.77	1.34	1.31	2.00	0.55	5.04	2.18	21.32
1896	0.73	1.04	2.50	2.23	4.60	3.10	7.22	5.10	5.01	0.46	1.46	2.01	35.46
1897	0.67	0.35	4.32	2.29	**3.60**	**2.76**	2.13	2.88	0.92	0.59	6.34	1.26	28.11
1898	5.19	1.87	4.80	2.85	5.05	1.79	3.87	2.35	2.22	4.17	2.86	1.85	38.87
1899	2.76	1.88	3.67	0.70	2.94	1.67	4.06	**1.25**	**2.51**	2.01	2.03	4.01	29.49
1900	1.58	4.99	2.21	2.05	2.17	4.07	2.33	4.18	1.51	1.87	2.43	1.33	30.72
1901	1.74	0.80	3.14	2.27	4.79	3.98	3.24	1.86	1.95	0.94	0.95	3.58	29.24
1902	0.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mns	2.66	2.35	3.40	3.35	4.13	4.51	4.61	3.18	2.60	2.22	3.29	2.41	38.71

Note– From 1870 to 1877, inclusive, the values given are for Carthagena, about eight miles south of Celina.

College Hill, Hamilton County
Elevation, 800 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1854	4.01	5.19	9.06	2.76	5.61	2.75	4.45	1.47	1.33	2.99	3.69	.....	.....
1855	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1856	1.59	2.34	0.66	.....	.....	.....	.....	.....	.....	1.22	3.12	3.58	.....
1857	1.38	2.15	.....	2.62	6.04	4.99	.....	.....	.....	.....	.....	.....	.....
1858	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.34	.....	.....
1859	.....	.....	3.48	8.62	2.40	2.87	1.10	5.82	1.90	3.36	7.50	5.27	.....
1860	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861	3.50	2.65	5.20	4.50	5.25	3.16	2.50	4.25	1.59	3.45	6.03	.....	.....
1862	3.77	2.90	7.93	7.24	6.00	4.25	.....	.....	.....	.....	4.50	0.85	.....
1863	.....	3.31	4.65	.....	5.45	3.00	5.60	1.29	2.34	6.25	3.75	8.00	.....
1864	3.25	1.45	0.90	5.10	2.36	4.38	3.10	4.35	2.50	3.15	3.80	5.15	39.49
1865	4.03	3.77	6.15	6.35	9.05	4.03	6.88	5.80	.....	0.80	0.28	4.88	.....
1866	3.37	0.87	4.63	3.16	1.62	5.25	8.62	3.62	12.50	2.62	3.15	2.97	52.38
1867	2.50	2.75	3.03	3.25	2.97	6.00	2.25	0.44	.....	1.64	3.63	5.40	.....
1868	8.90	0.25	10.48	4.44	8.06	7.12	2.50	5.37	5.88	1.19	1.80	3.94	59.93
1869	1.73	4.19	9.47	2.89	7.31	2.25	3.44	4.12	2.50	3.62	2.88	5.62	50.02
1870	9.62	1.74	4.50	2.37	1.17	4.31	1.87	1.06	0.15	3.94	2.00	2.35	35.08
1871	3.20	3.95	3.34	1.90	4.80	3.63	5.13	8.30	1.00	1.35	2.40	2.63	41.63
1872	2.00	2.60	0.85	6.50	4.88	8.25	6.12	3.37	2.61	0.31	0.98	2.25	40.72
1873	3.60	6.88	2.85	2.25	3.38	6.06	7.00	2.75	1.75	3.80	3.28	6.63	50.23
1874	6.30	5.85	3.75	3.30	0.50	3.25	4.75	2.00	1.50	1.50	4.35	3.80	40.85
1875	1.25	2.12	5.00	2.25	3.00	13.00	12.00	4.00	0.50	3.50	6.00	3.50	56.12
1876	10.50	3.25	4.50	4.50	2.50	7.12	4.00	10.25	.....	.....	1.50	1.20	.....
1877	2.00	0.50	4.00	1.25	2.00	5.50	6.50	1.50	2.50	1.00	1.50	3.25	31.50
1878	5.00	4.00	4.00	6.00	2.00	5.00	7.00	5.25	3.28	2.00	1.75	5.50	50.78
1879	0.75	3.00	6.75	1.50	3.75	2.00	3.00	9.00	5.25	0.50	6.75	8.00	50.25
1880	8.25	6.25	5.75	10.50	2.75	10.50	6.50	3.50	2.33	2.75	6.00	7.00	72.08
1881	4.00	5.25	5.88	4.25	1.00	9.00	4.50	1.50	2.75	4.00	4.75	7.00	53.88
1882	7.25	9.50	7.50	1.25	8.50	9.75	3.00	7.00	3.25	1.75	1.25	1.25	61.25
1883	3.50	7.50	3.00	3.50	5.00	3.00	4.00	3.00	1.75	7.00	4.00	7.25	52.50
1884	3.50	5.00	2.00	2.25	4.75	2.00	1.70	0.70	4.38	2.70	0.55	4.12	33.65
1885	6.31	1.80	0.20	4.50	2.25	4.10	2.30	4.10	3.25	4.00	2.75	1.60	37.16
1886	4.59	2.00	1.25	3.62	8.25	7.75	5.00	5.12	2.00	1.25	4.50	2.10	47.43
1887	2.54	10.25	2.08	6.00	6.25	3.75	1.50	3.75	1.75	0.12	4.00	3.50	45.49
1888	3.50	3.50	6.62	2.00	4.50	3.00	3.75	9.00	5.00	7.00	3.00	1.50	52.37
1889	3.70	1.90	1.70	0.38	5.85	7.60	5.85	0.50	5.85	3.29	6.42	1.50	44.54
1890	7.90	4.64	7.67	3.00	3.50	3.80	0.20	.....	.....	.....	.....	.....	.....
Mns	4.29	3.74	4.51	3.88	4.32	5.22	4.39	4.07	3.01	2.74	3.61	4.05	47.83

New Paris, Preble County
Elevation, 1,020 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.24	3.85	1.86	.....
1893	3.69	5.32	1.82	7.70	5.91	4.17	2.17	.....	.....	2.60	2.06	2.03	.....
1894	1.81	2.98	1.67	1.42	3.32	2.67	0.20	0.95	3.15	**2.22**	**2.00**	**2.86**	25.25
1895	3.62	0.25	1.20	1.45	3.20	4.25	0.71	1.87	0.89	0.71	5.62	4.12	27.90
1896	1.56	1.32	3.91	1.34	2.72	3.33	5.33	9.35	6.85	0.81	2.35	1.90	40.77
1897	1.78	2.06	7.58	4.13	1.83	5.29	2.01	2.30	0.99	0.67	10.18	2.28	41.10
1898	5.72	1.21	10.20	1.84	3.30	2.62	3.00	3.20	3.19	4.13	3.27	2.91	44.59
1899	3.46	1.79	4.21	1.07	1.64	1.87	3.26	6.26	1.27	2.69	2.31	3.79	33.62
1900	2.43	4.69	2.86	1.65	5.71	6.64	5.08	3.38	1.04	1.57	3.75	0.77	39.57
1901	1.96	1.23	2.99	2.29	2.11	5.10	0.71	6.13	0.53	1.47	0.76	3.88	29.16
1902	0.90	0.55	3.40	1.98	3.49	8.72	.....	.....	.....	.....	.....	.....	.....
Mns	2.69	2.14	3.98	2.49	3.32	4.47	2.50	4.18	2.24	1.71	3.62	2.64	35.98

Note—From October, 1892, to July, 1893, inclusive, the values given are for Campbellstown, about seven miles southeast of New Paris.

Clarksville, Clinton County
Elevation, 1,010 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1886	.....	.....	2.26	2.97	5.61	6.23	4.02	3.52	2.17	1.33	4.40	2.10	.....
1887	1.63	7.41	2.90	6.23	2.08	2.41	1.73	3.04	1.63	0.64	4.33	2.47	36.50
1888	4.26	2.01	4.26	2.29	4.88	5.14	2.87	10.13	0.76	3.97	4.42	1.32	46.31
1889	2.33	1.23	0.71	0.79	2.95	4.63	2.28	1.13	4.98	2.21	4.96	2.73	30.93
1890	6.49	4.31	6.57	3.11	5.49	4.83	1.43	4.36	1.91	3.38	2.91	2.13	46.92
1891	3.61	5.81	5.21	2.17	1.53	6.27	3.42	3.78	1.80	1.58	5.25	2.22	42.65
1892	1.43	2.58	2.10	5.10	4.32	6.30	1.99	2.42	2.33	0.53	2.73	1.29	33.12
1893	2.83	5.65	1.91	8.73	8.54	5.17	1.21	1.77	2.23	4.71	2.08	2.87	47.70
1894	2.87	3.67	2.71	2.81	3.50	3.81	0.59	2.58	5.19	1.61	1.84	3.26	34.44
1895	5.30	0.26	1.61	3.14	1.24	3.33	5.86	1.59	0.86	1.25	5.06	3.38	32.88
1896	1.99	1.79	4.03	1.03	2.39	5.10	6.50	5.41	4.40	1.20	3.82	1.35	39.01
1897	2.00	5.16	7.86	3.98	3.90	1.26	4.94	3.77	0.32	0.48	6.95	2.20	42.82
1898	6.98	2.17	7.72	1.56	2.99	2.30	3.74	9.06	2.56	3.22	3.15	3.27	48.72
1899	3.47	1.71	6.12	1.61	2.65	4.57	6.02	3.36	1.21	1.84	1.69	3.42	37.67
1900	3.04	2.72	2.78	1.77	3.49	2.80	3.99	5.17	0.42	1.67	5.37	1.12	34.34
1901	1.39	1.10	2.05	1.85	3.79	2.75	3.34	2.84	1.22	0.73	0.90	3.78	25.74
1902	2.08	0.41	2.10	2.17	4.32	8.30	2.02	0.46	4.34	2.69	3.81	4.27	36.97
1903	2.25	4.54	4.79	3.21	4.30	4.69	1.27	0.84	1.71	2.20	1.26	2.00	33.06
1904	2.93	2.18	7.19	3.45	3.64	2.49	1.57	2.85	0.83	1.29	0.40	3.58	32.40
1905	1.23	1.81	2.05	3.38	7.88	4.25	1.78	3.44	2.17	5.71	2.40	2.60	38.70
1906	3.57	1.25	5.18	2.14	3.43	3.26	6.50	5.03	3.62	1.72	3.00	4.92	43.62
1907	8.47	0.97	6.19	3.59	3.21	5.75	4.76	4.77	4.34	3.44	2.77	3.45	51.71
1908	1.81	5.93	4.18	4.21	7.72	1.47	3.12	2.97	0.38	0.49	1.33	1.92	35.53
Mns	3.27	2.94	4.02	3.10	4.08	4.22	3.26	3.66	2.23	2.08	3.25	2.68	38.79

Dayton, Montgomery County
Elevation, 790 feet

1845	2.65	1.90	.....	2.70	0.91	.....	3.27	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1856	1.49	1.15	1.15	1.09	2.64	2.33	3.16	1.71	2.09	0.70	.....	.....	.....
1857	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1858	.....	.....	.....	.....	7.56	4.82	3.18	3.96	1.14	3.25	3.75	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1873	.....	2.74	2.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.70	1.78	.....
1883	2.67	6.24	3.25	2.28	5.09	5.69	4.31	1.95	2.38	4.92	3.29	4.90	46.97
1884	2.21	5.67	3.17	2.90	4.56	2.23	2.63	1.21	3.85	1.17	0.75	3.79	34.14
1885	3.37	2.41	0.36	2.81	3.47	5.03	3.42	6.23	2.11	2.27	2.23	1.61	35.32
1886	2.96	1.27	1.82	4.15	6.68	4.92	3.27	4.76	3.98	1.61	3.32	2.48	41.22
1887	2.05	5.30	3.39	4.15	2.54	4.23	3.27	2.08	1.37	0.52	3.53	2.51	34.94
1888	3.52	1.25	4.40	1.67	3.95	1.92	3.44	5.53	1.34	5.14	5.52	1.13	38.81
1889	3.28	0.51	0.98	0.55	4.35	3.35	3.11	0.34	2.06	1.51	4.05	2.69	26.78
1890	4.83	5.09	4.34	2.70	3.54	3.28	0.28	5.27	7.37	2.42	2.27	1.18	42.57
1891	3.17	4.41	4.90	2.89	0.99	5.16	2.43	3.20	1.75	2.36	5.29	2.30	38.85
1892	1.20	3.09	1.86	3.76	4.54	6.58	1.36	1.92	3.28	0.37	1.92	1.57	31.45
1893	2.77	4.87	1.98	6.80	5.48	4.08	1.86	0.89	2.59	3.81	1.63	2.17	38.93
1894	2.27	3.31	2.15	1.51	4.17	3.75	0.75	1.85	1.54	1.43	1.77	3.07	27.57
1895	4.87	0.48	1.78	1.71	1.78	3.48	0.65	3.05	0.66	0.90	5.32	3.40	28.08
1896	1.82	1.62	3.12	2.17	3.34	4.34	8.13	4.93	6.02	0.80	3.12	1.44	40.85
1897	2.07	3.35	6.61	4.26	3.51	2.20	3.49	2.89	0.15	1.26	8.40	3.24	41.43
1898	5.95	2.12	8.00	1.89	3.49	3.24	4.31	2.92	4.13	4.05	4.30	3.05	47.45
1899	3.51	2.01	4.10	1.07	3.64	1.49	4.10	1.30	1.22	2.06	1.34	3.34	29.18
1900	3.00	2.15	2.87	0.78	3.09	5.66	3.35	5.13	1.16	2.82	3.13	1.44	34.58
1901	2.00	1.33	2.42	1.87	3.45	4.04	1.33	0.91	2.32	1.12	1.43	3.83	26.05
1902	1.13	0.61	2.55	2.13	2.39	7.32	3.42	0.71	4.95	3.25	3.56	3.95	35.97
1903	2.39	4.79	3.69	3.66	4.66	9.09	1.43	1.17	0.65	2.72	2.44	2.00	38.69
1904	4.61	2.53	7.90	3.18	4.05	2.47	3.04	1.87	2.00	1.23	0.63	4.16	37.67
1905	1.63	1.90	2.05	4.20	6.53	2.46	3.23	8.98	4.45	3.89	2.12	2.20	43.64
1906	2.96	1.11	5.49	1.40	2.00	3.22	6.07	5.56	2.89	1.51	3.81	3.62	39.64
1907	8.16	0.42	6.00	2.94	3.17	3.98	7.01	3.08	4.22	2.90	2.56	3.08	47.52
1908	1.64	6.44	5.78	3.80	5.40	2.67	4.93	2.81	0.25	0.36	0.86	1.32	36.26
Mns	3.01	2.76	3.53	2.68	3.83	4.04	3.25	3.08	2.57	2.16	3.00	2.64	36.55

Greenville, Darke County
Elevation, 1,060 feet

1886	.....	1.05	2.64	3.48	5.23	4.04	2.50	8.72	4.26	2.11	4.12	2.03	.
1887	2.84	5.31	1.95	3.25	3.41	3.72	0.92	4.65	1.78	0.89	2.96	2.78	34.46
1888	3.59	1.63	5.37	2.30	3.76	3.79	3.09	3.87	0.50	4.50	5.53	1.59	39.52
1889	2.48	0.92	1.38	1.29	5.57	4.58	4.31	0.55	3.66	1.24	4.03	2.77	32.78
1890	5.78	4.71	3.99	3.37	4.66	4.66	0.07	4.60	4.52	1.45	2.50	1.01	41.32
1891	3.18	4.26	5.61	3.88	0.92	3.97	1.90	3.25	2.10	1.09	5.88	2.81	38.85
1892	1.07	3.08	2.70	4.87	8.64	6.94	2.52	2.79	1.89	0.11	3.65	2.02	40.28
1893	3.86	5.42	2.35	8.47	5.79	5.19	2.35	0.97	2.76	2.61	2.12	1.82	43.71
1894	1.66	4.13	2.34	1.70	4.13	2.72	0.35	2.34	3.49	2.58	2.57	2.89	30.90
1895	2.22	0.45	1.21	1.66	1.03	2.78	0.70	1.53	1.29	0.74	5.14	3.28	22.03
1896	1.53	1.37	3.41	1.65	3.61	4.77	9.11	5.50	5.82	0.46	2.73	1.82	41.78
1897	1.86	2.45	5.85	5.12	4.37	3.31	5.39	2.77	0.79	0.63	8.02	1.91	42.47
1898	4.52	1.69	8.59	2.32	3.63	2.75	3.88	3.36	2.78	4.65	3.05	2.94	44.16
1899	3.65	2.18	3.84	1.16	2.58	3.74	2.70	1.10	2.67	2.62	1.64	3.16	31.04
1900	3.14	4.14	2.37	1.90	3.87	4.09	3.61	3.13	3.65	2.03	5.52	1.75	39.20
1901	1.78	1.25	2.88	3.02	2.85	4.71	1.33	2.60	1.61	1.08	0.73	2.42	26.26
1902	0.96	0.44	3.08	1.72	2.69	6.79	2.57	1.89	3.78	3.29	3.84	3.47	34.52
1903	2.39	4.52	3.01	3.43	3.60	2.99	2.59	2.33	1.23	2.55	1.87	1.44	31.95
1904	4.54	2.56	7.84	4.49	4.17	4.88	2.74	1.70	2.18	0.45	0.12	3.93	39.60
1905	1.90	1.56	2.06	4.73	6.46	1.82	1.45	5.95	4.32	2.98	2.14	2.04	37.41
1906	2.42	0.64	5.11	1.61	1.87	2.61	2.92	7.19	1.92	2.28	2.90	2.69	34.16
1907	7.24	0.61	5.26	2.54	2.46	9.48	2.95	3.30	2.84	1.94	2.44	4.37	45.43
1908	1.71	5.53	6.33	3.42	4.96	5.30	3.02	1.97	0.43	0.56	0.85	1.59	35.67
Mns	2.92	2.60	3.88	3.10	3.92	4.33	2.74	3.31	2.62	1.86	3.23	2.46	36.97

Germantown, Montgomery County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1850	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.70	.....
1851	0.69	6.13	2.60	2.49	2.69	2.81	5.86	2.77	1.18	2.48	3.35	3.23	36.28
1852	2.57	3.80	2.64	4.70	3.05	2.33	1.55	1.43	2.79	2.49	3.95	9.88	41.18
1853	1.07	3.02	1.65	3.13	1.43	1.55	3.54	4.39	2.49	2.32	2.56	1.39	28.54
1854	3.71	4.68	5.97	4.57	10.46	1.95	3.37	1.37	1.09	2.80	3.42	1.33	44.72
1855	4.19	1.44	3.55	2.28	2.54	6.93	5.19	5.04	4.64	1.29	6.26	3.65	47.00
1856	0.99	1.63	0.72	0.88	1.94	1.81	4.11	0.76	3.26	1.35	3.57	3.13	24.15
Mns	2.20	3.45	2.86	3.01	3.68	2.90	3.93	2.63	2.58	2.12	3.85	3.62	36.80

Hillsboro, Highland County
Elevation, 1,000 feet

1855	.....	.....	.....	1.15	.....	.....	.....	.....	.....	.....	.....	.....	.....
1856	.....	.....	0.58	.....	1.23	3.02	3.18	1.47	1.45	1.75	3.40	2.98	.....
1857	1.73	2.12	1.05	3.03	4.90	5.43	4.92	4.71	1.00	3.99	4.81	3.55	41.24
1858	1.80	2.50	1.24	4.24	9.57	5.34	4.04	4.59	1.72	2.85	3.06	6.37	47.33
1859	2.54	5.61	3.42	8.02	1.69	4.38	2.49	6.42	4.54	1.86	5.32	5.64	51.93
1860	2.22	1.99	1.14	2.27	1.44	2.01	5.77	1.80	3.60	2.72	4.28	1.10	30.34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1863	.....	.....	.....	.....	.....	.....	3.18	2.46	2.73	2.87	2.83	3.83	.....
1864	2.26	1.74	2.01	2.52	4.00	3.37	1.63	3.70	3.31	2.19	3.78	4.84	35.35
1865	3.19	2.36	4.86	4.14	8.30	4.00	7.37	2.52	5.45	0.87	0.58	4.49	48.13
1866	4.35	2.33	5.74	2.23	1.11	4.32	5.33	2.87	9.59	2.78	3.35	2.61	46.61
1867	1.94	4.54	3.04	3.29	3.10	2.32	2.56	4.03	0.30	3.08	2.74	3.83	34.77
1868	4.09	0.68	6.59	4.12	5.50	4.20	2.87	7.35	8.85	1.24	1.83	2.34	49.66
1869	1.86	3.24	4.14	3.55	4.31	4.17	3.34	0.82	3.63	1.57	4.43	2.93	37.99
1870	6.25	3.13	3.76	2.78	1.88	3.27	2.83	3.54	0.68	2.32	1.59	2.41	34.44
1871	2.59	3.56	3.42	1.32	4.78	2.67	4.15	4.97	0.69	1.41	3.54	3.06	36.16
1872	0.97	2.01	1.30	6.92	1.96	2.58	6.07	5.98	1.25	3.39	0.88	2.38	35.69
1873	2.11	3.63	2.05	3.05	4.04	2.01	5.77	4.33	1.70	3.74	2.43	5.97	40.83
1874	4.10	3.64	2.83	3.38	2.57	1.67	7.38	1.04	2.43	0.78	4.03	3.49	37.34
1875	1.61	1.65	3.67	1.01	3.34	6.97	8.50	2.76	0.72	2.96	4.78	3.45	41.42
1876	6.58	2.57	3.53	3.38	2.26	3.83	4.63	4.32	4.26	2.56	2.10	0.94	40.96
1877	2.59	0.43	5.70	2.57	2.25	4.78	3.79	1.64	2.62	1.64	2.88	3.13	34.02
1878	6.45	1.58	3.69	2.91	2.34	2.68	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1892	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.81	2.45	1.71	.....
1893	2.51	5.66	2.08	8.45	4.87	2.34	2.07	1.46	3.29	3.71	2.93	2.54	41.91
1894	2.05	3.17	2.50	2.60	2.29	2.86	0.62	1.26	1.91	1.62	1.11	2.68	24.67
1895	5.27	0.50	1.70	2.78	1.02	2.51	2.27	2.76	0.45	1.20	2.95	3.49	26.90
1896	1.72	1.94	3.95	1.35	2.22	4.75	5.14	3.52	4.38	1.38	4.58	1.09	36.02
1897	1.88	5.14	5.75	3.40	3.56	1.25	5.00	4.57	0.42	0.73	6.69	2.61	41.00
1898	8.15	2.03	5.50	1.80	3.09	2.24	6.00	2.64	2.97	3.32	2.94	3.32	44.00
1899	2.95	2.70	5.75	1.48	4.04	6.09	2.73	3.31	2.60	1.89	1.81	3.39	38.74
1900	2.60	2.71	2.05	1.27	2.92	2.35	4.82	3.64	2.11	1.75	5.80	1.51	33.53
1901	1.10	0.91	**1.58**	3.90	3.29	2.69	2.35	1.76	0.69	0.47	0.91	3.81	23.46
1902	2.80	0.36	2.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1908	**1.74**	**5.82**	4.18	4.46	6.34	2.20	3.30	1.19	0.56	1.49	1.89	2.95	36.12
Mns	3.07	2.68	3.25	3.25	3.47	3.41	4.14	3.25	2.66	2.09	3.13	3.18	37.58

Jacksonburg, Butler County
Elevation, 975 feet

1868	.....	.....	.....	.....	.....	5.75	1.50	5.87	7.62	1.69	2.25	1.94	.....
1869	2.04	3.57	6.82	4.00	5.34	3.99	2.85	2.52	3.27	2.34	4.04	3.44	44.22
1870	6.65	2.75	4.21	1.15	0.40	3.25	4.67	2.20	1.39	3.30	1.50	3.10	34.57
1871	3.25	3.84	4.27	2.70	5.50	5.10	3.07	8.65	0.50	1.70	3.70	2.95	45.23
1872	0.93	2.07	0.82	4.35	3.70	3.50	5.70	5.05	2.45	2.40	0.65	2.21	33.83
1873	3.20	4.02	2.00	2.55	3.85	3.50	7.65	2.15	2.10	3.15	2.30	5.95	42.42
1874	4.30	4.75	3.20	3.05	0.25	3.85	2.60	0.90	1.25	0.80	4.15	3.00	32.10
1875	1.85	1.50	3.95	1.15	4.40	9.55	12.40	3.75	0.45	2.80	4.60	4.50	50.90
1876	7.95	2.20	4.25	4.40	2.75	4.65	3.85	4.80	2.70	2.05	2.05	1.17	42.82
1877	2.06	0.30	5.50	2.20	3.35	7.12	6.30	2.25	1.70	1.75	4.45	2.70	39.68
1878	4.92	2.45	2.45	5.15	1.95	2.40	5.45	4.55	3.40	2.70	2.70	4.55	42.67
1879	2.75	2.65	6.75	1.50	2.15	3.80	5.35	9.00	3.90	0.80	4.35	5.50	48.50
1880	5.75	2.95	4.55	6.35	3.65	8.35	3.00	4.70	3.45	3.30	4.60	3.55	54.20
1881	5.00	4.90	4.85	9.00	0.75	2.45	3.05	1.05	2.00	6.15	6.05	5.70	50.95
1882	6.30	6.25	5.10	2.55	5.90	7.70	3.55	2.25	1.60	1.20	1.65	2.25	46.30
1883	.....	7.40	3.00	2.70	6.50	4.28	2.50	2.55	1.30	6.50	3.50	2.75	.....
1884	2.60	7.65	3.10	2.55	5.40	1.65	1.70	1.20	5.25	1.15	0.85	3.40	36.50
1885	4.05	2.95	1.22	3.17	2.62	3.25	3.65	5.35	4.50	2.00	2.35	1.90	37.01
1886	3.20	1.51	2.35	5.30	6.40	6.25	3.45	4.60	4.45	1.55	4.55	3.05	46.66
1887	1.85	6.25	3.50	5.05	2.25	3.25	0.70	1.75	1.45	0.40	4.05	3.35	33.85
1888	3.85	2.15	5.35	1.90	5.10	3.40	3.05	7.80	1.40	3.85	4.65	0.85	43.35
1889	2.60	0.60	0.40	0.50	4.20	3.60	2.45	0.60	2.45	2.05	4.12	2.05	25.62
1890	5.40	5.00	5.65	1.95	4.35	5.60	0.30	3.35	3.40	1.80	2.20	1.50	40.50
1891	3.25	4.15	5.60	2.45	1.75	2.95	2.45	2.50	1.95	0.95	6.30	2.65	36.95
1892	0.85	3.95	1.85	5.45	4.15	3.75	1.55	2.60	2.65	0.15	2.20	1.15	30.30
1893	3.90	4.90	1.30	6.60	6.60	3.65	1.15	1.40	2.10	2.25	1.75	1.75	37.35
1894	1.45	4.35	1.70	1.15	2.70	2.65	0.10	0.75	2.60	1.00	1.00	2.45	21.90
1895	5.10	0.80	0.50	1.35	1.45	5.40	1.60	2.55	0.20	0.40	5.35	3.30	28.00
1896	1.85	1.55	2.70	1.65	2.95	3.95	4.75	3.80	6.60	0.70	2.70	1.35	34.55
1897	2.60	3.85	8.15	3.55	3.60	1.70	3.40	1.27	0.65	1.30	8.00	3.12	41.19
1898	6.70	1.25	8.28	0.85	3.10	1.50	1.25	4.45	3.75	4.25	3.95	2.85	42.18
1899	4.68	2.80	3.15	1.00	2.85	1.20	3.95	3.40	0.55	1.90	1.50	3.70	30.68
1900	2.54	2.86	1.95	1.75	3.80	2.55	3.40	2.90	0.45	2.05	2.75	1.05	28.05
1901	2.40	1.90	1.80	1.45	1.90	3.35	0.55	1.15	3.25	1.50	0.55	2.85	22.65
1902	1.85	0.45	2.15	1.98	3.27	9.57	1.29	0.84	4.89	4.19	3.51	4.51	38.50
1903	3.22	6.58	3.82	2.87	4.55	3.83	2.39	3.43	0.54	2.13	2.02	2.28	37.66
1904	4.53	2.31	7.35	2.83	4.37	2.72	2.06	1.99	2.72	1.05	0.65	4.22	36.80
1905	2.32	2.27	3.46	3.63	6.92	2.99	4.15	10.97	2.86	5.25	2.30	2.16	49.28
1906	3.89	1.83	5.74	1.61	2.48	4.24	7.66	4.94	2.96	1.77	3.40	4.34	44.86
1907	8.54	0.85	7.32	3.22	3.25	2.73	6.35	2.67	5.72	3.15	3.58	3.14	50.52
1908	2.13	5.46	4.42	4.90	5.19	2.55	3.45	1.09	0.36	0.41	1.08	1.30	32.34
Mns	3.65	3.25	3.86	3.04	3.64	4.09	3.42	3.40	2.60	2.19	3.13	2.92	39.19

Lawshe, Adams County
Elevation, 900 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.68	1.52	1.99	.....
1893	2.86	5.61	1.93	7.49	4.81	5.14	2.10	1.29	2.89	2.42	2.87	1.56	40.97
1894	2.46	3.08	2.74	2.86	2.24	2.23	0.76	3.65	1.62	1.45	1.09	3.78	27.96
1895	5.01	0.70	2.90	3.18	2.07	3.79	1.44	1.77	0.31	1.15	2.56	3.83	28.71
1896	1.59	2.29	3.93	0.61	3.29	4.17	8.32	3.20	3.12	2.23	4.20	1.74	38.69
1897	2.60	7.67	5.98	3.72	6.16	2.14	4.81	2.94	0.74	0.43	6.74	4.19	48.12
1898	11.69	2.64	**5.27**	1.89	3.72	2.65	5.27	3.93	1.89	3.31	3.13	2.66	48.05
1899	3.44	1.92	5.69	1.38	2.91	3.93	5.20	2.28	2.63	1.73	**1.87**	**3.51**	36.49
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1903	.....	.....	.....	.....	.....	.....	.....	1.27	1.97	2.41	1.65	2.00	.....
1904	2.05	2.32	6.14	1.81	**3.54**	**2.59**	3.00	**2.95**	**1.39**	0.39	0.30	4.04	30.52
1905	2.14	2.39	3.91	3.92	6.53	6.78	1.98	5.15	1.49	3.82	3.77	3.46	45.34
1906	2.91	1.59	6.69	1.37	2.46	5.10	5.09	6.30	4.05	1.74	2.21	3.92	43.43
1907	8.67	1.52	5.88	2.84	2.67	5.06	4.71	4.03	2.32	2.58	2.21	2.70	45.19
1908	1.67	5.71	6.47	5.21	6.50	3.94	3.65	3.45	0.29	0.95	2.04	2.24	42.12
Mns	3.92	3.12	4.79	3.02	3.91	3.96	3.86	3.25	1.90	1.81	2.58	2.97	39.09

Note—From October, 1892, to February, 1898, inclusive, the values given are for Cherry Fork, about eight miles southwest of Lawshe, and from April, 1898, to October, 1899, inclusive, are for Seaman, about four miles west of Lawshe.

New Bremen, Auglaize County
Elevation, 1,038 feet

1883	.....	.....	.....	.....	.....	.....	.....	0.99	2.70	6.59	5.35	4.05	.....
1884	3.20	.....	4.72	1.71	3.69	6.17	4.03	0.92	3.49	1.19	2.78	4.98	.....
1885	4.76	1.33	0.91	3.20	.....	.....	2.09	2.74	2.68	2.86	1.96	0.98	.....
1886	1.79	1.05	4.81	2.00	.....	.....	.....	3.94	4.02	0.69	.....	0.98	.....
1887	1.80	7.05	.....	2.34	.....	.....	2.55	2.74	1.59	0.92	4.82	4.83	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894	1.77	3.18	1.57	1.95	3.01	1.08	1.03	2.25	4.50	2.67	2.50	2.42	27.93
1895	2.38	0.37	1.17	1.42	2.65	2.49	2.32	2.20	0.85	0.20	5.77	4.05	25.87
1896	1.16	**1.31**	2.00	**2.35**	2.47	2.83	7.98	1.72	5.75	0.15	1.26	1.51	30.49
1897	1.66	0.46	5.56	4.01	3.04	2.10	4.50	2.90	0.53	0.55	5.32	1.95	32.58
1898	3.28	0.85	3.22	0.89	2.72	0 83	3.33	2.29	0.83	.....	.....	.....	.....
1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1900	1.12	**4.23**	**2.52**	1.74	2.28	3.91	2.37	4.09	1.84	2.19	4.22	1.09	31.60
1901	1.28	0.77	1.26	2.11	4.67	5.14	1.68	2.11	1.44	1.09	1.25	3.75	26.55
1902	0.87	0.58	3.05	1.20	2.74	7.81	3.65	2.71	3.46	3.08	2.78	2.84	34.77
1903	1.76	4.08	2.42	5.43	2.90	2.92	2.95	2.51	1.47	2.86	1.98	2.03	33.31
1904	5.00	2.80	7 51	6.13	1.55	3.95	2.94	**2.14**	**3.06**	1.54	0.23	3.52	40.37
1905	1.82	1.08	1.61	3.46	4.07	1.98	1.27	6.37	6.89	2.98	2.17	1.43	35.13
1906	0.81	0.68	4.20	1.02	1.62	1.19	3.76	2.21	1.59	1.78	3.79	2.67	25.32
1907	6.65	0.23	4.34	1.40	2.63	6.43	4.51	1.94	3.42	2.48	1.88	4.03	39.94
1908	1.60	3.46	5.04	3.73	3.54	1.62	3.68	4.08	0.45	0.48	1.80	2.41	31.89
Mns	2.37	1.97	3.29	2.56	2.91	3.36	3.21	2.68	2.66	1.91	2.93	2.75	32.60

New Richmond, Clermont County
Elevation, 788 feet

1899	**3.60**	2.71	6.59	1.23	4.50	3.49	2.74	4.97	1.50	1.30	2.62	3.15	38.40
1900	2.37	2.44	1.90	1.36	3.87	1.05	3.18	5.03	0.82	2.24	5.78	1.39	31.43
1901	0.81	1.23	1.74	2.67	3.19	4.98	2.00	1.42	1.26	0.60	1.06	3.84	24.80
1902	3.08	0.31	1.60	3.31	6.93	4.85	2.99	0.67	3.60	2.62	3.50	5.10	38.56
1903	2.06	5.20	3.88	3.88	3.92	2.25	2.16	2.55	1.78	1.39	1.67	1.58	32.33
1904	2.29	1.83	6.51	2.18	4.69	1.38	1.89	1.46	1.48	0.54	0.56	3.59	28.40
1905	1.44	1.86	3.04	2.72	6.84	3.65	2.54	5.11	1.27	4.78	3.84	4.00	41.09
1906	2.53	0.93	6.48	1.39	1.37	3.30	8.11	3.86	3.25	0.95	2.94	3.88	38.99
1907	8.00	0.71	5.74	2.85	3.68	4.35	4.33	2.66	1.37	3.57	2.26	2.49	42.01
1908	1.24	4.39	4.22	4.23	3.89	2.69	2.97	0.58	0.40	0.74	1.39	1.74	28.48
Mns	2.74	2.16	4.17	2.58	4.29	3.20	3.29	2.83	1.67	1.87	2.56	3.08	34.44

Oxford, Butler County
Elevation, 918 feet

1864	2.95	0.33	1.76	3.69	3.60	1.21	.....	3.17	10.14	2.11	3.70	3.92	.....
1865	3.42	2.55	7.65	4.40	5.05	2.81	8.50	4.25	4.25	.....	.....	.....	.....
1866	.....	.....	.....	.....	1.84	3.62	7.32	.....	11.63	2.11	3.07	1.70	.....
1867	2.80	5.17	2.71	3.46	3.68	5.55	4.71	1.66	0.59	2.03	2.68	5.01	40.05
1868	3.97	1.46	6.99	4.37	6.97	5.71	3.46	5.15	6.85	1.08	1.55	1.95	49.51
1869	1.42	3.24	6.59	3.77	6.81	3.39	2.83	1.02	3.01	2.38	3.73	3.28	41.47
1870	6.71	2.37	3.64	3.11	0.92	4.02	2.10	.....	0.85	3.41	1.51	3.98	.....
1871	2.11	3.63	4.71	1.67	2.77	6.02	3.75	6.07	0.39	1.77	3.02	3.60	39.51
1872	1.17	1.96	1.87	4.39	3.02	2.57	5.35	3.22	3.32	2.61	0.56	2.60	32.64
1873	3.85	2.80	2.51	2.76	3.72	3.38	6.04	3.94	1.58	2.88	2.13	4.96	40.55
Mns	3.16	2.61	4.27	3.51	3.84	3.83	4.90	3.56	4.26	2.26	2.44	3.44	42.08

Rosewood, Champaign County

1894	**1.38**	**4.10**	**2.66**	2.08	4.56	1.74	1.17	3.21	2.74	2.36	2.69	2.54	31.23
1895	3.84	0.73	1.24	1.58	1.75	2.35	0.63	2.88	0.27	0.97	5.35	3.00	24.59
1896	1.70	1.07	4.80	2.47	3.49	2.73	8.90	2.54	7.61	0.23	2.37	1.60	39.51
1897	1.10	3.37	6.29	3.51	4.80	2.84	3.28	2.40	0.43	0.68	8.19	1.99	38.88
1898	4.49	1.77	9.13	2.42	3.61	2.36	1.72	3.78	3.46	4.17	2.83	2.62	42.36
1899	3.65	2.03	3.87	1.41	2.67	0.46	5.52	2.37	1.58	2.23	1.60	4.10	31.49
1900	2.62	3.65	2.33	2.04	2.62	2.56	**2.96**	4.91	3.41	3.01	3.54	0.81	33.86
1901	2.44	0.65	3.58	1.85	3.07	3.29	1.14	3.08	2.02	**1.32**	**1.25**	3.91	27.60
Mns	2 65	2.17	4.24	2.17	3.25	2.29	3.16	3.15	2.69	1.87	3.48	2.57	33.69

Plattsburg, Clark County
Elevation, 1,130 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.72	2.42	2.51	.....
1893	2.79	6.67	2.45	7.02	5.09	4.72	2.56	1.74	1.01	3.45	2.41	1.93	41.84
1894	2.00	3.83	2.31	1.72	3.52	2.95	2.33	3.11	2.87	1.33	2.21	2.69	30.87
1895	3.85	0.80	1.32	2.38	1.93	2.28	1.86	1.31	0.72	0.94	4.75	2.88	25.02
1896	1.92	2.03	4.73	1.47	3.35	3.67	10.30	3.71	6.53	1.42	3.29	1.37	43.79
1897	2.41	3.33	6.62	3.25	3.53	3.23	5.20	1.93	1.20	0.23	7.74	3.33	42.00
1898	5.30	1.93	8.82	2.17	4.85	4.67	1.37	4.52	2.46	3.52	4.40	2.97	46.98
1899	3.61	1.86	4.63	1.53	1.83	1.58	3.48	0.15	1.37	2.07	1.05	2.90	26.06
1900	2.91	3.65	2.00	1.60	1.48	2.44	5.80	2.65	4.12	2.33	4.88	1.45	35.31
1901	2.30	1.65	2.35	1.86	2.90	3.41	6.62	0.83	2.78	0.38	0.79	3.06	28.93
1902	1.11	0.80	2.12	1.38	1.87	8.23	2.82	1.75	4.34	2.57	3.17	3.70	33.86
1903	2.77	4.40	3.69	2.98	3.90	5.47	1.38	0.33	1.47	1.86	2.89	2.73	33.87
1904	3.70	2.12	6.46	3.47	3.19	2.08	2.89	3.12	2.30	2.14	0.36	4.97	36.80
1905	1.94	2.22	2.46	3.83	7.23	7.12	4.22	6.79	3.20	5.21	2.24	2.45	48.91
1906	2.48	1.18	4.37	1.12	1.90	1.62	4.48	4.09	2.41	1.89	3.50	3.94	32.98
1907	6.70	0.83	6.32	2.94	3.52	5.38	6.91	2.32	2.29	2.40	2.68	3.74	46.03
1908	1.62	5.31	6.80	3.33	5.10	2.86	3.99	1.31	0.37	0.84	0.77	1.45	33.75
Mns	2.96	2.66	4.22	2.63	3.45	3.86	4.14	2.48	2.46	1.96	2.91	2.83	36.56

Pulse, Highland County
Elevation, 1,000 feet

1894	.....	.....	.....	.....	.....	4.64	0.81	2.39	2.19	1.82	1.73	4.00	.....
1895	6.84	0.53	2.12	3.51	1.99	3.67	2.91	1.32	0.68	1.09	4.09	3.98	32.73
1896	1.80	2.22	4.49	1.01	2.82	2.17	6.00	5.28	4.33	1.45	5.50	1.18	38.25
1897	2.59	5.48	8.59	3.87	3.98	1.58	10.42	2.92	0.72	0.55	6.57	2.89	50.16
1898	7.87	2.81	7.16	2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
1899	4.17	2.90	5.75	1.83	3.10	5.43	2.66	3.34	2.25	1.60	2.00	3.71	38.74
1900	**2.58**	2.87	1.91	1.70	2.97	2.30	2.64	3.25	0.76	2.03	5.58	1.49	30.08
1901	1.55	2.90	1.70	2.50	3.19	3.76	1.49	1.44	0.94	0.74	0.78	3.69	24.68
1902	3.17	0.61	1.90	2.75	3.04	7.05	2.28	1.00	3.90	2.29	3.25	5.17	36.41
1903	3.01	6.39	3.57	3.10	4.04	2.54	1.31	1.42	1.98	1.36	1.38	1.93	32.03
1904	2.21	1.95	6.31	2.45	3.82	2.14	1.87	2.20	0.84	0.92	0.26	4.21	29.18
1905	1.79	2.11	3.73	3.63	6.92	3.01	1.92	3.40	1.34	3.94	3.34	4.09	39.22
1906	2.78	1.87	6.48	1.42	2.14	3.15	8.88	2.34	4.09	1.07	2.52	4.68	41.42
1907	8.93	1.34	6.99	3.03	2.30	3.59	2.59	2.95	2.21	3.32	2.46	3.05	42.76
Mns	3.79	2.61	4.67	2.52	3.36	3.46	3.52	2.56	2.02	1.71	3.04	3.39	36.65

Note—From 1894 to 1898, inclusive, the values given are for Fayetteville, Brown County, about five miles northwest of Pulse.

Ripley, Brown County

1857	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.52	6.60	2.98	.....
1858	2.28	3 14	0.97	3.58	6.13	5.45	5.75	2.34	1.22	4.27	1.22	8.76	45.11
1859	2.63	6.69	.....	.....	.....	.....	.....	.....	.....	1.12	2.63	5.32	.....
1861	2.75	1.74	2.27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1862	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1863	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.65	.....
1864	.....	1.60	1.89	2.12	3.66	3.96	1.30	3.58	6.55	2.43	5.17	5.43	.....
1865	4.27	4.51	9.04	8.30	10.94	3.75	6.16	4.52	3.92	0.88	0.68	3.88	60.85
1866	4.81	2.31	6.31	2.13	.....	3.96	5.86	.....	.....	.....	.....	1.75	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1893	.....	.....	.....	7.44	3.66	4.12	3.86	0.63	1.50	3.84	2.02	0.99	.....
1894	1.46	3.14	2.59	2.75	2.32	2.17	0.56	2.57	1.59	1.89	1.23	3.95	26.22
1895	4.89	0.61	2.39	3.92	1.82	2.81	2.54	2.53	1.00	1.31	2.61	4.04	30.47
1896	1.71	2.34	3.98	1.18	3.52	7.25	7.79	4.94	3.34	2.21	4.23	1.84	44.33
1897	2.42	7.11	6.09	5.54	7.40	2.96	4.73	2.62	0.69	1.29	6.68	3.83	51.36
1898	9.44	2.63	6.56	1.82	3.43	3.37	8.70	4.42	2.95	2.45	3.42	3.09	52.28
1899	3.88	2.96	6.29	1.19	2.92	4.46	2.91	5.92	2.66	2.01	1.86	4.75	41.81
1900	2.41	3.00	1.65	1.13	3.47	5.34	1.91	1.80	1.52	1.01	6.60	1.67	31.51
1901	0.99	1.31	1.40	3.72	2.35	5.52	0.59	2.37	1.77	0.96	1.40	4.08	26.46
1902	2.47	0.47	3.03	3.18	3.85	5.15	3.49	1.71	4.16	1.99	3.48	5.48	38.46
1903	2.34	7.25	4.29	3.65	3.52	2.02	2.37	2.52	.....	.....	.....	.....	.....
Mns	3.25	3.18	3.92	3.44	4.21	4.09	3.90	3.03	2.53	2.21	3.32	3.79	40.87

Springfield, Clark County
Elevation, 980 feet

1869	3.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1870	.....	.....	.....	1.70	0.45	2.20	3.10	.....	0.50	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1885	.....	.....	.....	.....	.....	.....	.....	.....	5.45	.....	.....	.....	.....
1886	.....	.....	1.63	3.11	6.49	2.50	1.54	3.82	4.65	1.61	3.55	.....	.....
1887	1.28	4.86	3.00	3.90	2.16	.....	1.62	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1896	.....	.....	.....	.....	.....	.....	.....	.....	5.76	0.65	3.63	1.22	.....
1897	1.82	3.08	6.03	3.09	4.47	4.54	4.40	1.50	0.79	0.68	9.04	2.87	42.31
1898	5.26	1.94	8.74	2.33	3.83	2.78	3.29	3.50	3.24	3.38	4.52	2.65	45.46
1899	3.04	1.46	4.71	1.03	2.53	2.46	4.12	0.25	1.75	2.30	1.25	3.06	27.96
1900	3.07	2.67	2.08	2.00	2.89	4.06	3.72	3.88	2.10	1.64	3.50	1.24	32.85
1901	1.81	1.07	2.48	1.61	2.84	6.92	2.81	2.32	2.44	0.58	0.88	3.24	29.00
1902	1.02	0.65	2.92	1.79	2.87	8.65	5.72	0.97	4.86	2.92	3.76	3.66	39.79
1903	2.10	4.47	3.01	2.78	3.60	5.22	2.29	0.49	1.39	2.51	1.74	2.19	32.19
1904	3.62	2.14	8.05	2.34	2.59	3.06	3.44	2.12	2.56	1.84	0.20	4.07	36.03
1905	1.42	1.73	2.08	3.91	5.63	5.89	2.74	3.83	5.02	4.45	2.07	1.94	40.71
1906	2.60	0.84	4.52	1.42	2.19	2.55	10.25	4.07	2.82	1.63	3.53	2.99	39.41
1907	7.49	0.29	5.10	2.56	2.86	6.73	5.07	2.91	3.45	2.77	2.25	3.27	44.75
1908	1.54	5.26	8.21	3.47	4.20	4.46	6.45	1.08	0.24	0.52	0.86	1.55	37.84
Mns	2.85	2.34	4.47	2.47	3.31	4.43	4.04	2.36	2.94	1.99	2.91	2.61	36.72

Sidney, Shelby County
Elevation, 985 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1856	.....	.....	.....	.....	.....	.....	.....	.....	2.72	1.29	3.31	.....	.....
1857	0.83	.....	0.31	.....	8.90	1.44	.....	1.99	.....	8.02	.....	3.41	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883	0.75	6.60	1.71	3.30	5.56	5.27	3.04	2.57	3.69	4.41	4.06	1.84	42.80
1884	1.86	4.36	3.08	1.66	6.27	2.10	3.73	1.45	8.18	1.83	1.73	5.03	41.28
1885	4.21	1.65	.....	3.33	3.78	3.81	5.34	.....	1.70	1.06	1.72	0.72	.....
1886	2.37	0.93	2.21	3.59	6.84	2.65	1.42	5.61	10.25	2.30	3.71	2.10	43.98
1887	1.89	5.95	0.54	3.90	3.35	2.80	4.20	2.35	2.85	0.60	4.10	3.00	35.53
1888	4.00	1.50	5.65	2.59	3.95	4.82	3.63	3.87	0.65	5.99	5.26	1.77	43.68
1889	3.59	1.27	1.01	1.58	5.20	5.55	8.32	3.74	4.48	1.05	6.56	4.14	46.49
1890	4.89	4.98	4.74	3.22	.....	.....	.....	.....	.....	.....	.....	1.41	.....
1891	2.94	4.72	5.18	3.27	3.07	6.29	3.82	4.33	0.80	1.69	5.86	3.27	45.24
1892	1.64	3.37	2.97	4.53	7.66	4.59	3.83	1.12	1.85	0.23	3.31	1.53	36.63
1893	3.06	5.82	2.41	9.04	7.93	6.08	1.60	0.60	1.15	4.47	2.25	2.37	46.78
1894	1.83	4.21	2.28	2.22	2.65	3.52	0.49	2.25	3.23	2.90	3.14	2.38	31.10
1895	3.28	0.58	1.42	0.99	1.70	3.05	1.27	3.06	0.50	1.19	5.59	3.48	26.11
1896	1.58	1.51	4.34	2.95	3.64	2.65	7.64	4.01	6.20	0.77	2.99	2.24	40.52
1897	2.05	2.67	5.78	3.68	5.41	3.31	2.63	2.62	0.50	0.94	7.54	2.24	39.37
1898	4.39	1.85	7.89	2.99	4.78	3.01	1.90	3.63	2.82	4.80	3.76	2.63	44.45
1899	3.28	2.34	4.37	1.35	3.03	1.10	6.21	0.52	1.26	2.21	2.58	3.33	31.58
1900	2.94	3.56	2.99	1.80	1.90	3.82	2.70	3.98	2.53	5.21	3.08	1.24	35.75
1901	2.02	1.13	3.08	2.07	3.46	4.93	2.36	2.50	2.14	1.73	1.30	3.95	30.67
1902	0.99	0.62	2.61	1.97	3.40	5.91	3.49	2.04	5.62	2.87	3.13	3.46	36.11
1903	2.51	4.45	2.63	2.97	3.27	3.00	2.49	2.43	1.58	3.07	1.85	2.01	32.26
1904	4.96	2.10	8.06	4.23	2.95	3.63	3.42	1.78	1.75	0.78	0.18	4.05	37.89
1905	1.82	1.49	1.95	4.53	6.03	4.71	2.39	7.35	5.50	2.52	1.86	2.17	42.32
1906	1.92	0.87	4.45	1.36	2.23	2.49	4.30	3.31	1.47	1.88	2.67	3.02	29.97
1907	7.41	0.30	4.79	2.43	2.59	6.18	5.83	1.80	5.41	2.25	2.33	4.09	45.41
1908	1.74	4.96	6.16	2.86	3.07	1.96	5.05	1.79	0.67	0.38	0.55	1.78	30.97
Mns	2.77	2.84	3.56	3.02	4.33	3.80	3.64	2.83	3.06	2.46	3.25	2.69	38.25

Springboro, Warren County

1884	.....	.....	.....	.....	.....	.....	2.91	2.03	4.52	.....	0.71	.....	.....
1885	.....	.....	0.50	3.16	2.65	3.98	1.75	8.22	4.13	3.05	2.39	0.38	.....
1886	.....	.....	.....	.....	6.49	.....	1.54	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	.....	.....	.....	.....	1.66	0.11	2.03	.....	.....
1888	**3.92**	1.97	**5.08**	1.95	4.95	3.61	2.95	7.58	**1.48**	2.38	1.99	0.75	38.61
1889	3.48	1.00	0.87	0.85	3.95	2.75	2.74	0.81	2.53	2.58	3.73	3.63	28.92
1890	6.15	5.21	6.04	2.63	5.60	3.92	1.33	4.11	4.32	3.08	1.70	1.73	45.82
1891	2.60	6.58	5.16	2.28	1.74	5.17	3.66	3.23	0.90	1.70	6.12	2.25	41.39
1892	1.34	2.53	**1.91**	5.68	5.73	4.75	**1.55**	1.76	4.06	0.90	3.14	1.02	34.37
1893	1.20	5.26	2.19	7.82	5.79	4.02	2.50	5.23	1.62	4.31	1.16	2.90	44.00
1894	1.92	4.18	2.44	2.71	5.12	2.21	0.10	1.58	2.78	1.38	2.29	3.23	29.94
1895	3.56	0.70	1.22	2.13	1.63	3.74	0.95	2.22	0.54	1.62	4.98	2.66	25.95
1896	2.20	1.31	1.61	1.71	2.85	3.75	6.31	6.28	6.33	1.13	3.05	0.80	37.33
1897	1.75	3.35	7.10	4.38	3.20	2.80	3.30	2.19	0.72	0.41	9.34	2.77	41.31
1898	5.10	1.35	8.70	1.50	3.61	1.65	3.05	5.33	2.65	3.27	3.80	2.30	42.31
1899	3.20	1.25	3.60	2.11	3.38	3.52	4.63	5.02	1.57	2.45	1.64	3.36	35.73
1900	3.21	2.94	2.27	2.18	3.68	3.11	5.58	5.05	1.00	3.69	3.53	1.72	37.96
1901	**1.84**	0.87	1.97	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mns	2.96	2.75	3.38	2.94	4.02	3.50	2.80	4.04	2.55	2.14	3.22	2.11	36.41

Troy, Miami County

1859	2.20	5.19	7.05	7.32	4.10	4.23	0.82	3.48	2.80	1.69	4.44	3.28	46.60
1861	2.60	3.55	6.25	5.43	7.16	6.40	4.15	6.07	2.24	6.04	5.21	1.01	56.11
1862	4.16	2.92	9.81	14.67	7.83	4.65	3.49	3.35	1.61	1.75	2.71	5.26	62.21
1863	.....	2.17	3.52	.....	3.85	.....	.....	.....	.....	1.87	.....	.....	.....
1884	.....	.....	.....	.....	4.31	1.96	4.02	1.05	5.97	1.08	1.25	2.27	.....
1885	2.10	1.20	.....	3.62	5.22	2.76	4.19	5.92	.....	1.88	2.31	1.67	.....
1886	1.76	0.43	1.67	2.19	5.30	2.26	3.37	.....	.....	.....	.....	.....	.....
Mns	2.56	2.58	5.66	6.65	5.40	3.71	3.34	3.97	3.16	2.38	3.18	2.70	45.29

Waynesville, Warren County
Elevation, 700 feet

1885	4.69	3.02	0.77	3.40	3.82	4.41	2.32	8.59	4.66	2.05	2.97	1.98	42.68
1886	3.53	1.87	2.26	3.80	4.29	5.43	3.07	5.48	2.96	1.59	3.65	3.07	41.00
1887	2.83	7.70	3.42	5.90	3.23	4.19	1.10	1.68	1.60	0.43	3.65	2.73	38.46
1888	3.98	2.07	4.80	2.38	4.00	2.47	4.09	6.23	1.57	5.27	5.11	1.44	43.41
1889	3.69	0.86	0.65	0.69	3.75	3.49	2.31	0.84	2.87	2.33	5.05	3.11	29.64
1890	6.47	5.26	5.95	2.65	4.71	4.50	0.48	4.07	5.13	3.05	2.45	1.98	46.70
1891	3.23	5.87	6.01	2.35	1.62	6.71	2.99	3.19	1.63	2.10	6.75	2.77	45.22
1892	2.05	3.57	2.02	5.30	4.88	5.01	1.74	2.79	3.18	0.77	3.09	1.56	35.96
1893	2.64	6.15	2.70	8.66	6.57	3.93	2.85	3.46	2.38	4.16	1.90	2.88	48.28
1894	2.68	4.47	2.30	2.30	4.95	3.12	0.45	1.84	3.24	1.35	1.58	4.16	32.44
1895	5.01	0.33	1.76	2.79	1.57	2.92	1.81	2.43	0.50	0.85	5.04	3.25	28.26
1896	2.14	1.66	3.43	1.88	2.64	4.89	4.84	4.47	5.65	1.26	3.00	1.67	37.53
1897	2.51	4.05	7.27	4.38	3.60	3.28	3.77	2.49	0.83	0.53	8.88	3.15	44.74
1898	6.24	1.72	8.32	1.56	4.18	1.62	1.30	6.24	2.75	3.39	3.31	3.16	43.79
1899	3.68	2.08	5.01	1.32	4.17	2.92	3.25	4.67	1.04	2.44	1.28	3.19	35.05
1900	3.10	2.61	2.21	1.66	5.94	2.15	5.12	6.56	0.83	2.16	3.63	1.23	37.20
1901	1.83	1.34	2.20	1.95	3.43	3.80	2.22	2.85	2.45	0.80	1.00	3.55	27.42
1902	1.55	0.57	2.25	1.93	2.21	10.35	1.89	0.65	4.90	**3.38**	2.19	3.84	35.71
1903	1.85	4.93	5.19	2.98	4.36	7.89	2.01	**1.81**	0.73	1.62	1.93	2.24	37.54
1904	3.40	2.08	6.38	2.54	3.65	3.02	0.81	3.03	1.07	1.70	0.35	4.93	32.96
1905	1.01	2.30	2.97	4.18	5.92	6.01	2.83	7.57	3.23	5.15	1.98	2.25	45.40
1906	3.09	0.95	5.08	1.90	2.44	2.08	2.63	5.86	3.10	1.43	3.37	3.73	35.66
1907	7.26	0.70	5.88	2.86	2.73	3.44	3.12	4.34	3.22	3.25	2.69	2.07	41.56
1908	1.62	4.50	4.84	4.14	7.35	1.22	2.78	0.82	0.25	0.27	0.75	1.30	29.84
Mns	3.34	2.94	3.90	3.06	4.00	4.12	2.49	3.83	2.49	2.14	3.15	2.72	38.18

Urbana, Champaign County
Elevation, 1,031 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1852	2.74	3.13	4.99	5.69	4.41	4.21	3.68	3.05	6.03	3.59	5.64	11.68	58.84
1853	1.79	4.01	2.53	4.42	3.06	4.72	4.16	8.44	4.16	2.49	3.67	1.75	45.20
1854	3.61	3.76	5.41	5.75	6.02	2.80	1.67	1.99	1.97	4.46	2.62	1.29	41.35
1855	3.97	1.66	3.40	2.56	6.72	10.78	6.17	1.23	8.76	3.18	5.18	3.86	57.47
1856	1.02	1.90	1.09	1.90	3.84	3.23	3.89	2.37	2.91	2.08	3.60	3.02	30.85
1857	1.16	3.20	1.85	1.94	6.41	3.05	4.28	4.63	1.84	3.27	5.65	2.54	39.82
1858	2.05	1.48	0.96	3.87	7.50	5.26	3.60	4.36	1.97	1.78	3.39	4.80	41.02
1859	2.30	3.05	4.16	4.25	1.61	4.18	0.80	2.20	3.35	1.26	4.69	4.66	36.51
1860	1.85	2.05	0.76	6.30	1.07	3.37	6.21	3.93	2.59	2.00	2.42	3.17	35.72
1861	1.97	1.62	2.95	3.95	4.35	4.19	3.69	3.29	3.42	2.88	2.83	1.20	36.34
1862	3.01	2.47	4.83	5.10	3.70	3.02	4.02	2.33	0.60	1.13	3.08	4.32	37.61
1863	6.36	3.13	2.50	1.69	3.54	1.31	2.10	1.66	3.13	3.62	3.01	4.51	36.56
1864	1.89	0.55	2.33	2.63	2.21	3.82	0.84	5.47	3.18	1.89	3.42	3.64	31.87
1865	1.55	1.97	4.68	6.92	4.11	5.06	4.62	6.66	5.32	1.22	0.73	3.20	46.04
1866	3.39	2.25	3.51	1.36	1.59	5.54	4.74	3.57	15.88	2.41	3.27	2.11	49.62
1867	1.60	3.85	3.08	3.48	2.27	4.08	2.87	2.08	0.32	2.01	2.14	4.09	31.87
1868	2.44	1.03	7.71	3.35	6.19	10.38	1.88	5.21	3.81	1.17	1.77	1.57	46.51
1869	1.50	3.40	5.73	2.43	7.09	2.49	6.53	1.01	3.22	1.89	4.21	3.12	42.62
1870	6.63	2.07	4.26	1.14	0.68	2.47	2.63	2.34	0.47	3.91	1.90	3.13	31.63
1871	1.55	1.85	2.74	2.82	2.00	3.65	2.45	6.25	0.25	1.20	3.33	2.31	30.40
1872	1.21	1.32	1.46	3.38	1.34	1.24	7.33	4.96	0.75	1.95	1.12	2.57	28.63
1873	2.78	1.14	2.42	3.44	3.40	2.83	6.76	1.19	2.49	3.21	1.92	5.59	37.17
1874	3.80	4.23	2.70	4.41	1.32	2.19	3.24	2.27	1.61	0.53	3.19	3.66	33.15
1875	1.25	2.13	2.61	1.67	3.09	6.69	9.69	3.74	2.04	2.94	3.72	3.07	42.64
1876	5.62	2.99	4.24	3.04	2.66	2.83	6.71	4.03	3.73	2.51	2.33	1.24	41.93
1877	2.18	0.69	4.98	2.09	2.22	12.34	2.25	2.56	1.38	1.16	3.21	1.54	36.60
1878	4.06	2.53	3.65	3.20	.....	.....	.....	.....	3.33	2.81	2.26	2.21	.....
1879	1.78	2.98	.....	.....	2.88	5.13	5.57	4.94	2.35	0.82	4.51	3.62	.....
1880	4.75	4.16	3.27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1896	1.49	1.52	3.35	1.87	3.57	5.11	10.10	3.20	7.39	0.38	2.74	1.10	41.82
1897	1.70	3.02	4.95	2.75	3.88	2.93	4.78	1.87	0.60	0.69	6.06	**2.55**	35.78
1898	3.97	2.01	8.25	2.38	3.46	3.08	2.52	2.96	3.83	3.60	3.18	2.42	41.66
1899	2.00	1.06	4.19	1.07	3.75	1.04	5.12	0.55	1.83	2.38	1.28	2.46	26.73
1900	3.14	3.25	2.01	2.02	2.36	4.00	2.42	3.33	2.39	1.99	3.68	1.15	31.74
1901	2.36	0.99	3.32	1.74	2.61	3.34	4.51	2.50	1.99	0.90	0.81	3.27	28.84
1902	0.86	0.55	2.52	1.53	2.25	7.86	4.38	1.49	4.73	2.66	2.59	3.40	34.82
1903	2.31	3.54	2.58	2.54	3.84	6.33	5.69	1.78	1.03	2.15	2.35	2.11	36.25
1904	3.40	2.14	6.09	3.58	2.40	4.33	2.58	2.82	1.94	2.41	0.16	3.01	34.86
1905	1.20	1.32	0.89	4.24	6.86	4.50	2.71	3.83	7.59	4.66	1.84	1.95	41.59
1906	1.54	0.87	4.27	1.86	2.81	1.50	5.49	5.48	1.92	1.89	2.78	3.32	33.73
1907	6.40	0.36	4.09	2.95	2.96	5.04	9.17	2.80	4.33	1.94	2.06	2.71	44.81
1908	1.07	5.41	5.54	3.66	4.16	4.04	4.49	2.77	0.23	0.57	0.97	1.21	34.12
Mns	2.65	2.30	3.58	3.12	3.50	4.36	4.41	3.28	3.19	2.19	2.91	3.03	38.52

Average Number of Days with .01 Inch or More of Precipitation

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bellefontaine	15	9	8	10	9	11	9	9	7	7	7	7	8	101
Camp Dennison	15	12	10	14	11	12	10	10	9	7	7	9	11	122
Cincinnati	37	13	12	14	12	12	12	10	10	8	8	10	13	134
Clarksville	15	12	11	14	12	13	12	11	9	8	8	10	12	132
Dayton	15	10	11	13	11	12	10	10	8	7	7	9	10	118
Green	15	7	6	8	6	8	8	8	6	4	3	4	6	74
Greenville	15	9	8	11	10	12	11	10	8	7	7	9	9	111
Hillsboro	10	9	8	11	10	10	9	7	7	5	5	8	8	97
Jacksonburg	15	8	7	9	7	9	8	8	7	5	5	6	6	85
New Bremen	14	7	5	8	7	8	7	8	6	6	5	6	6	79
Plattsburg	15	9	7	11	9	11	10	10	7	6	6	8	9	103
Sidney	14	14	12	15	11	12	11	9	8	8	8	10	12	130
Urbana	13	9	7	10	8	10	9	10	7	6	5	7	8	96
Waynesville	16	8	7	10	11	10	9	8	7	5	5	7	8	95

Snowfall

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bellefontaine	14	6.6	8.0	5.6	1.1	0.1	0	0	0	0	0.1	1.3	3.0	25.8
Camp Dennison	14	5.7	4.5	3.4	0.5	T.	0	0	0	0	T.	0.7	3.8	18.6
Cincinnati	24	5.2	4.7	2.8	0.5	T.	0	0	0	0	T.	0.7	3.5	17.4
Clarksville	15	5.3	3.7	3.2	0.6	0.1	0	0	0	0	T.	1.3	3.4	17.6
Dayton	15	7.5	5.6	4.2	0.8	T.	0	0	0	0	T.	0.8	4.1	23.0
Green	15	5.2	4.8	2.7	0.4	T.	0	0	0	0	T.	0.5	2.2	15.8
Greenville	15	5.3	5.1	4.8	0.7	0.1	0	0	0	0	T.	0.6	4.3	20.9
Hillsboro	10	6.6	5.4	3.6	1.2	T.	0	0	0	0	T.	0.9	1.9	19.6
Jacksonburg	14	9.2	7.6	6.7	1.0	0.2	0	0	0	0	0.1	1.1	5.8	31.7
New Bremen	13	6.8	5.5	6.1	0.5	T.	0	0	0	0	T.	1.6	4.2	24.7
Plattsburg	15	7.4	6.0	5.3	0.9	0.1	0	0	0	0	T.	1.5	5.7	26.9
Sidney	14	7.5	5.8	5.1	0.7	T.	0	0	0	0	0.1	1.4	5.7	26.3
Urbana	13	6.8	5.0	5.6	0.6	0.2	0	0	0	0	0.1	1.1	4.7	24.1
Waynesville	14	6.8	5.1	4.5	0.7	0.2	0	0	0	0	T.	0.9	4.5	22.7

Monthly and Annual Mean Temperatures

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bellefontaine	15	27.2	24.5	38.6	48.5	60.5	68.7	73.7	71.6	66.2	53.8	40.7	29.5	50.3
Camp Dennison	16	31.4	29.5	44.0	52.7	64.0	72.3	76.6	74.9	69.2	55.2	42.9	33.4	53.8
Cincinnati	37	32.9	34.4	43.1	53.8	64.6	73.6	77.6	75.5	69.2	56.9	44.4	35.9	55.2
Clarksville	22	30.3	30.2	41.2	51.9	62.4	71.1	74.9	73.1	67.4	54.4	42.5	34.0	52.8
Dayton	26	28.9	30.0	40.3	51.7	62.9	72.2	76.2	73.6	67.4	54.1	42.1	33.1	52.7
Green	15	33.5	31.2	45.5	53.0	64.2	72.0	75.7	74.7	68.7	55.9	44.2	35.2	54.5
Greenville	23	27.4	27.5	38.8	49.9	60.7	69.4	73.5	70.9	64.7	52.1	40.3	31.1	50.5
Hillsboro	10	30.0	28.8	41.9	52.6	62.2	71.8	75.5	74.4	68.4	55.4	42.2	33.6	53.1
Jacksonburg	28	27.7	29.3	39.3	51.4	62.5	71.7	76.0	74.4	68.5	55.7	41.4	31.7	52.5
New Bremen	14	27.7	24.5	40.4	49.8	61.5	69.4	74.2	22.4	66.7	53.8	41.3	30.3	51.0
Plattsburg	16	27.7	26.0	40.2	50.1	61.5	69.4	74.0	72.2	67.1	54.3	41.1	30.8	51.2
Sidney	21	26.6	26.2	38.5	49.9	61.7	70.4	75.0	72.5	66.0	52.4	40.5	31.1	50.9
Urbana	13	27.3	25.1	39.4	48.9	61.3	68.6	73.5	71.3	65.3	53.6	40.0	29.6	50.3
Waynesville	13	29.1	26.6	42.0	50.0	62.3	69.9	74.6	73.0	66.8	54.7	41.8	31.0	51.8

Highest Temperatures by Months

Bellefontaine	15	71	65	84	90	94	97	100	96	96	85	79	62	100
Camp Dennison	16	75	68	86	89	95	100	109	103	101	90	79	68	109
Cincinnati	37	75	73	85	87	94	98	105	101	99	88	78	72	105
Clarksville	22	74	81	82	87	92	97	104	98	99	89	79	68	104
Dayton	26	75	72	84	90	97	100	108	100	102	93	76	68	108
Green	15	76	73	93	91	94	97	99	99	100	90	80	70	100
Greenville	23	70	65	84	85	92	96	101	97	95	83	73	64	101
Hillsboro	10	69	68	85	94	99	103	105	103	105	95	85	68	105
Jacksonburg	24	75	68	83	89	99	101	109	104	105	95	78	68	109
New Bremen	14	72	66	83	86	96	101	102	100	98	88	78	62	102
Plattsburg	16	72	65	81	87	98	97	103	97	99	90	78	64	103
Sidney	22	72	75	84	90	95	100	108	101	102	90	80	66	108
Urbana	61	74	70	83	90	94	97	99	99	98	90	76	69	99
Waynesville	13	72	65	83	87	96	96	105	97	98	90	74	66	105

Lowest Temperatures by Months

Bellefontaine	15	−20	−21	− 2	13	20	36	43	43	30	15	5	−10	−21
Camp Dennison	16	−12	−25	5	20	29	41	48	45	30	17	6	−15	−25
Cincinnati	37	−12	−17	1	18	33	39	53	51	35	26	5	− 8	−17
Clarksville	22	− 16	−22	1	20	30	40	46	44	32	20	0	−13	−22
Dayton	26	− 22	−28	− 3	18	28	41	45	40	28	18	− 1	−16	−28
Green	15	− 9	−24	3	19	31	40	41	47	31	19	6	− 7	−24
Greenville	23	−17	−20	− 1	18	30	40	46	45	31	15	4	−10	−20
Hillsboro	10	−15	−30	− 5	19	27	39	41	40	30	13	9	−19	−30
Jacksonburg	24	−28	−22	0	20	29	40	49	44	32	21	− 1	− 9	−28
New Bremen	14	−25	−23	0	16	22	35	44	42	28	11	6	−14	−25
Plattsburg	16	−20	−23	− 2	18	27	38	44	45	29	18	7	−12	−23
Sidney	22	− 3	−25	−10	13	26	38	41	39	25	14	3	−26	−34
Urbana	61	−2[illegible]	−22	−15	13	24	33	43	34	28	16	−11	−18	−26
Waynesville	13	−14	−23	0	20	27	40	47	44	31	21	7	−10	−23

Direction of Prevailing Wind

Stations	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Cincinnati, Ohio	sw.	nw.	nw.	nw.	se.	se.	sw.	ne.	se.	se.	se.	sw.	se.
Clarksville, Ohio	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Columbus, Ohio	sw.	w.	w.	nw.	sw.	sw.	sw.	sw.	s.	s.	sw.	sw.	sw.
Greenville, Ohio	w.	s.	s.	n.	s.	s.	sw.	s.	s.	s.	s.	w.	s.
Indianapolis, Ind.	w.	nw.	nw.	nw.	s.	sw.	sw.	sw.	s.	s.	nw.	sw.	sw.

Mean Relative Humidity

Stations		January	February	March	April	May	June	July	August	September	October	November	December	Annual
Cincinnati, Ohio*	8 a. m.	% 80	% 78	% 75	% 70	% 72	% 74	% 74	% 77	% 78	% 78	% 78	% 79	% 76
	8 p. m.	73	68	66	54	57	58	56	57	58	59	66	72	62
Columbus, Ohio*	8 a. m.	84	82	80	74	75	77	76	79	80	81	82	83	79
	8 p. m.	77	74	69	61	61	63	59	61	62	64	70	76	66
Indianapolis, Ind.*	8 a. m.	83	80	78	72	73	75	71	76	77	78	79	80	77
	8 p. m.	76	74	68	61	62	61	58	58	60	59	67	73	65

* 75th meridian time.

Average Hourly Wind Movement (in miles)

Cincinnati	8	8	8	8	6	6	5	5	5	6	7	7	7
Columbus	9	10	10	9	8	7	7	6	7	8	9	9	8
Indianapolis, Ind.	12	12	12	11	10	9	8	7	8	9	10	12	10

Frost Data

Stations	Years of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
Bellefontaine	15	October 7	April 28	September 20	May 28
Camp Dennison	16	October 11	April 25	September 23	May 19
Cincinnati	37	October 25	April 14	September 30	April 24
Clarksville	16	October 7	April 25	September 14	May 28
Dayton	15	October 10	April 27	September 21	May 21
Green	15	October 14	April 21	September 29	May 10
Greenville	16	October 10	April 30	September 23	May 29
Jacksonburg	18	October 13	May 2	September 23	May 29
Plattsburg	16	September 30	May 3	September 14	May 31
Sidney	14	October 4	May 3	September 14	May 31
Urbana	13	October 2	April 27	September 14	May 28
Waynesville	13	October 4	May 7	September 14	May 29

HYDROGRAPHIC DATA FOR SECTION 70

Summary of Climatological Data for the United States

Compiled from the Records of the United States Geological Survey

By R. H. Bolster, *Assistant Engineer*

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This Section comprises Miami River and portions of adjacent drainages.

The Great Miami River is the main stream of southwestern Ohio. Exclusive of the Whitewater it has a drainage area of nearly 4,000 square miles, or about one-tenth of the area of the State. Its headwaters are in Logan County and it drains the greater part of the Cincinnati arch from that watershed south to the Ohio River. One of the eastern tributaries, Mad River, heads in the elevated tract near Bellefontaine at an elevation of fully 1,200 feet above tide. The other headwaters, excepting the Whitewater, have their sources at an elevation of about 1,000 feet.

The valleys of the headwaters, as far down as the vicinity of Dayton, are narrow and comparatively shallow post-glacial channels. The fall of the Miami is rapid throughout its entire length, being usually over 3 feet and frequently 4 feet per mile. The streams in this drainage system seldom reach a very low stage in seasons of drought, for the valleys are usually filled with a gravelly or sandy deposit which furnishes strong springs.

This stream and several of its tributaries afford valuable water powers, the utilization of which is discussed by Prof. Dwight Porter in the Tenth Census Report.

The following table shows in a general way the stream flow which can be expected to prevail for a given month in an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month during the entire period covered by the table. The two remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month, if all the water flowing from it during that month were conserved and uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Miami River near Dayton, Ohio, for 1905—1906

[Drainage area 2.450 square miles]

Month	Discharge in cubic feet per second				
	Maximum	Minimum	Mean	Per square mile	Depth in inches on drainage area
January	10,100	1,490	3,810	1.56	1.80
February	1,750	1,000	1,240	.506	.527
March	38,200	870	5,270	2.15	2.48
April	23,000	620	3,360	1.37	1.53
May	26,500	480	2,730	1.11	1.28
June	5,400	310	1,010	.412	.460
July	3,020	310	735	.300	.346
August	5,700	220	1,160	.473	.545
September	9,360	260	1,600	.653	.729

Note.—Weather Bureau station; no gage heights available October to December.

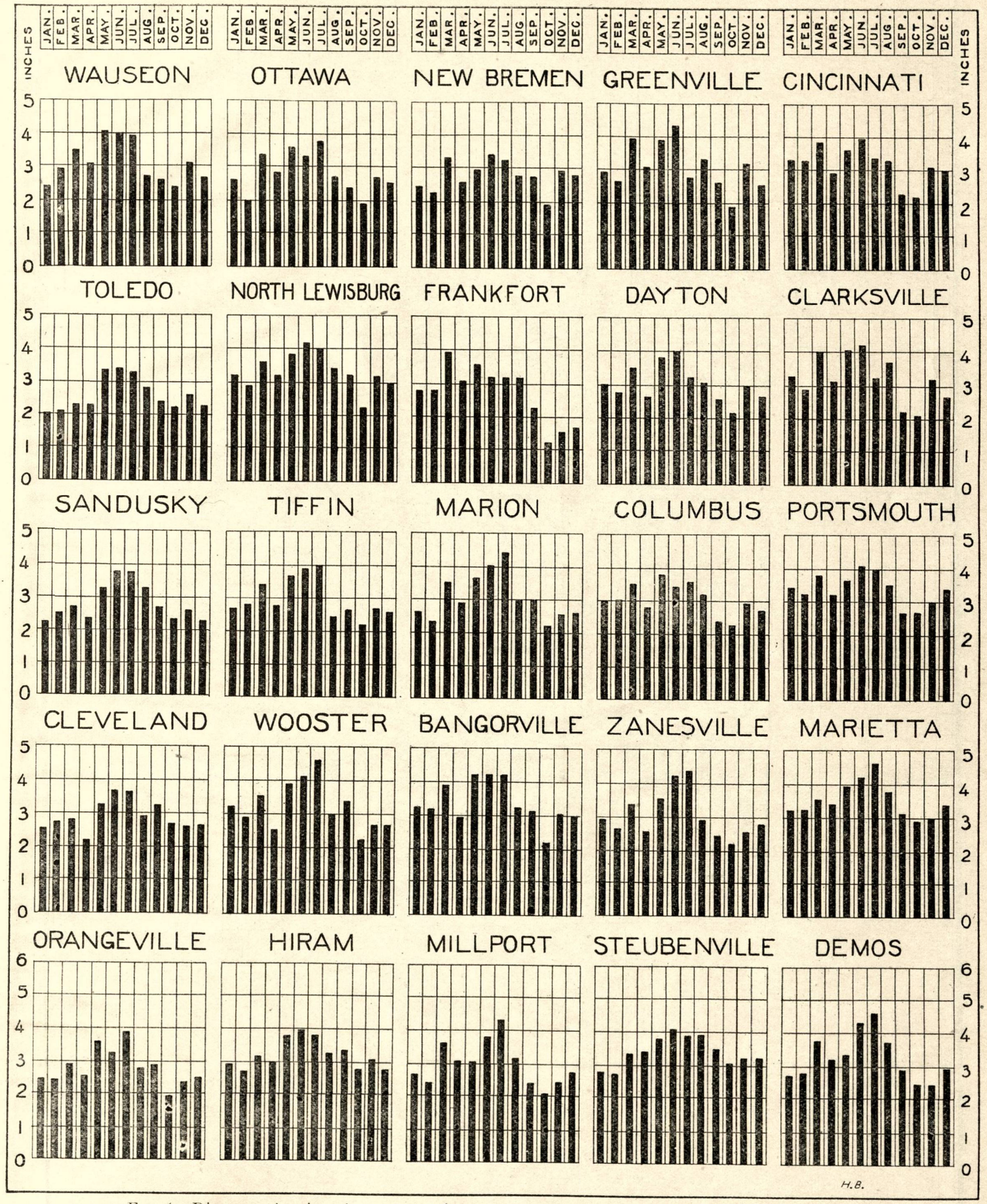

FIG. 1—Diagram showing the comparative monthly distribution of precipitation in Ohio.

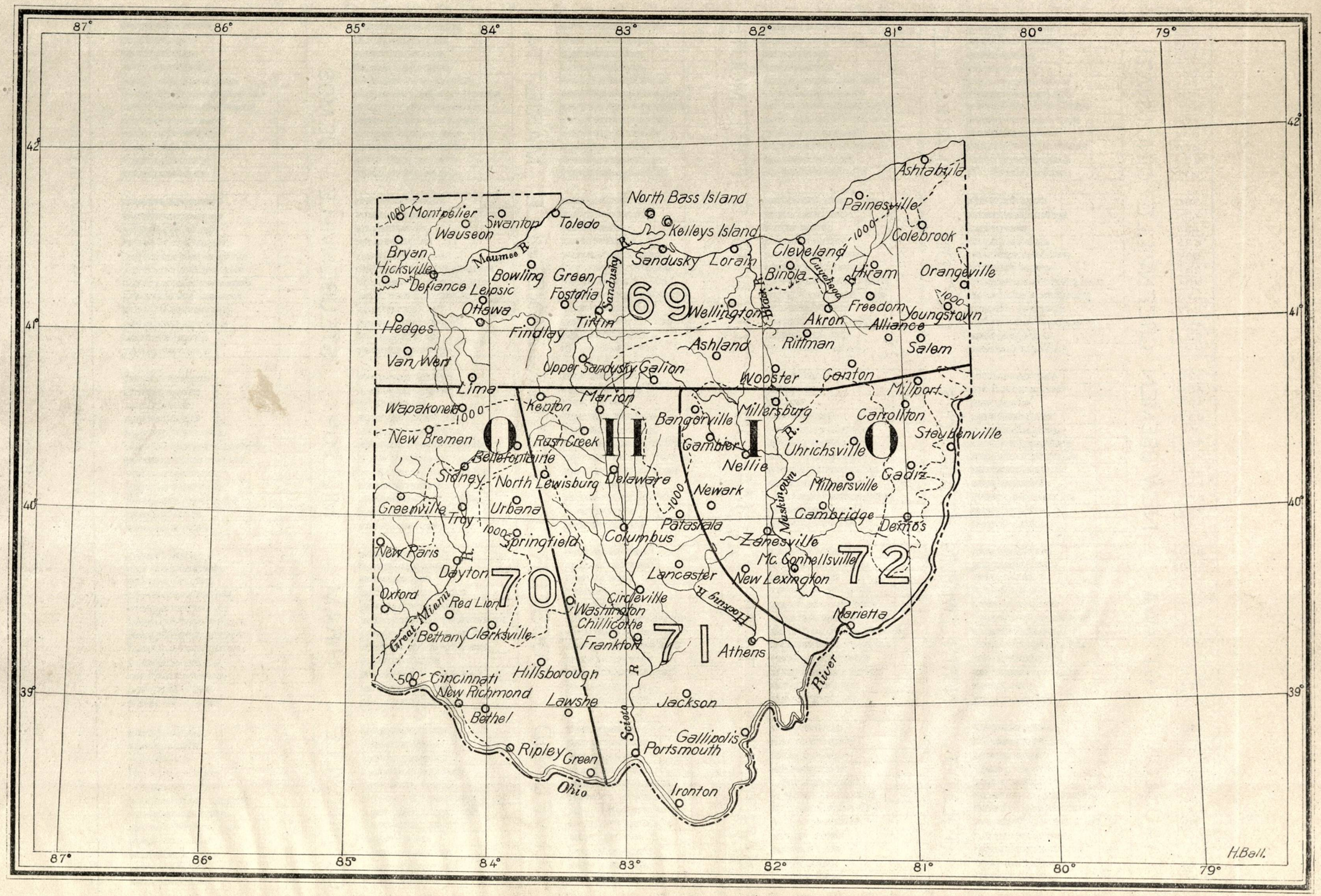

FIG. 2—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

The Ohio State University
3 2435 00876 5778
QC984O3U52 001
Summary of the climatological data for t